

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051962.D
 Acq On : 23 Oct 2018 14:00
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:21 AM

Quant Time: Oct 24 04:38:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 04:09:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1072570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1582078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1492058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	855733	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	493262	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
35) Dibromofluoromethane	7.59	113	512814	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	10.09	98	1864924	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.40	95	653210	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	331529	48.708	ug/l	100
3) Chloromethane	2.06	50	299590	48.885	ug/l	100
4) Vinyl Chloride	2.19	62	402100	48.949	ug/l	100
5) Bromomethane	2.57	94	407758	51.844	ug/l	100
6) Chloroethane	2.71	64	302061	49.529	ug/l	100
7) Trichlorofluoromethane	3.02	101	721718	49.308	ug/l	100
8) Diethyl Ether	3.41	74	219817	50.512	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	430829	49.135	ug/l	100
10) Methyl Iodide	3.96	142	671250	51.743	ug/l	100
11) Tert butyl alcohol	4.78	59	125359	252.127	ug/l	100
12) 1,1-Dichloroethene	3.74	96	398117	50.700	ug/l	100
13) Acrolein	3.61	56	66512	269.095	ug/l	100
14) Allyl chloride	4.33	41	420301	56.171	ug/l	100
15) Acrylonitrile	4.99	53	542829	267.352	ug/l	100
16) Acetone	3.82	43	391187	248.555	ug/l	100
17) Carbon Disulfide	4.06	76	948434	50.812	ug/l	100
18) Methyl Acetate	4.33	43	249293	46.945	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1085160	51.473	ug/l	100
20) Methylene Chloride	4.56	84	452154	48.973	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	452629	50.897	ug/l	100
22) Diisopropyl ether	5.95	45	976465	52.530	ug/l	100
23) Vinyl Acetate	5.90	43	3414873	264.063	ug/l	100
24) 1,1-Dichloroethane	5.86	63	704808	50.782	ug/l	100
25) 2-Butanone	6.84	43	596409	265.818	ug/l	100
26) 2,2-Dichloropropane	6.83	77	663195	52.227	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	532761	51.509	ug/l	100
28) Bromochloromethane	7.20	49	301511	53.902	ug/l	100
29) Tetrahydrofuran	7.21	42	373681	245.818	ug/l	100
30) Chloroform	7.38	83	865802	51.088	ug/l	100
31) Cyclohexane	7.66	56	578891	38.719	ug/l	100
32) 1,1,1-Trichloroethane	7.58	97	804370	51.905	ug/l	100
36) 1,1-Dichloropropene	7.80	75	612886	50.502	ug/l	100
37) Ethyl Acetate	6.93	43	282315	53.040	ug/l	100
38) Carbon Tetrachloride	7.78	117	723253	51.912	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	757031	51.073	ug/l	100
40) Benzene	8.05	78	1846386	51.241	ug/l	100
41) Methacrylonitrile	7.18	41	134542	49.335	ug/l	100
42) 1,2-Dichloroethane	8.13	62	583589	50.513	ug/l	100
43) Isopropyl Acetate	8.17	43	524983	51.653	ug/l	100
44) Trichloroethene	8.84	130	580649	50.204	ug/l	100
45) 1,2-Dichloropropane	9.12	63	420070	51.535	ug/l	100
46) Dibromomethane	9.21	93	335265	51.024	ug/l	100
47) Bromodichloromethane	9.41	83	648344	52.246	ug/l	100
48) Methyl methacrylate	9.20	41	252259	51.350	ug/l	100
49) 1,4-Dioxane	9.20	88	100456	1115.202	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1442184	257.966	ug/l	100
52) Toluene	10.16	92	1279543	52.366	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	628209	55.252	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	699271	53.913	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	465807	51.596	ug/l	100
56) Ethyl methacrylate	10.43	69	519597	53.542	ug/l	100
57) 1,3-Dichloropropane	10.71	76	697904	50.921	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1339215	263.740	ug/l	100
59) 2-Hexanone	10.75	43	997972	265.680	ug/l	100
60) Dibromochloromethane	10.90	129	555416	54.898	ug/l	100
61) 1,2-Dibromoethane	11.01	107	505779	53.134	ug/l	100
64) Tetrachloroethene	10.63	164	558432	48.763	ug/l	100
65) Chlorobenzene	11.43	112	1529264	50.764	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	571451	52.775	ug/l	100
67) Ethyl Benzene	11.51	91	2496448	51.554	ug/l	100
68) m/p-Xylenes	11.62	106	2055143	106.223	ug/l	100
69) o-Xylene	11.95	106	994644	52.861	ug/l	100
70) Styrene	11.96	104	1613808	53.661	ug/l	100
71) Bromoform	12.13	173	362160	54.831	ug/l #	100
73) Isopropylbenzene	12.25	105	2698452	49.722	ug/l	100
74) N-amyl acetate	12.07	43	518040	48.496	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	547228	48.800	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	431231m	49.483	ug/l	
77) Bromobenzene	12.53	156	737966	49.271	ug/l	100
78) n-propylbenzene	12.59	91	2926406	49.986	ug/l	100
79) 2-Chlorotoluene	12.67	91	1688339	49.522	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2235461	51.341	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131732	55.286	ug/l	100
82) 4-Chlorotoluene	12.77	91	1767097	50.062	ug/l	100
83) tert-Butylbenzene	12.99	119	2094597	50.862	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2303417	51.286	ug/l	100
85) sec-Butylbenzene	13.17	105	2743545	51.009	ug/l	100
86) p-Isopropyltoluene	13.29	119	2503424	51.698	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1381782	50.021	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1391544	51.096	ug/l	100
89) n-Butylbenzene	13.61	91	1966885	51.011	ug/l	100
90) Hexachloroethane	13.88	117	376843	52.237	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1357116	50.783	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85146	49.453	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	789595	50.019	ug/l	100
94) Hexachlorobutadiene	15.01	225	383367	47.264	ug/l	100
95) Naphthalene	15.13	128	1815220	52.949	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	748860	49.630	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

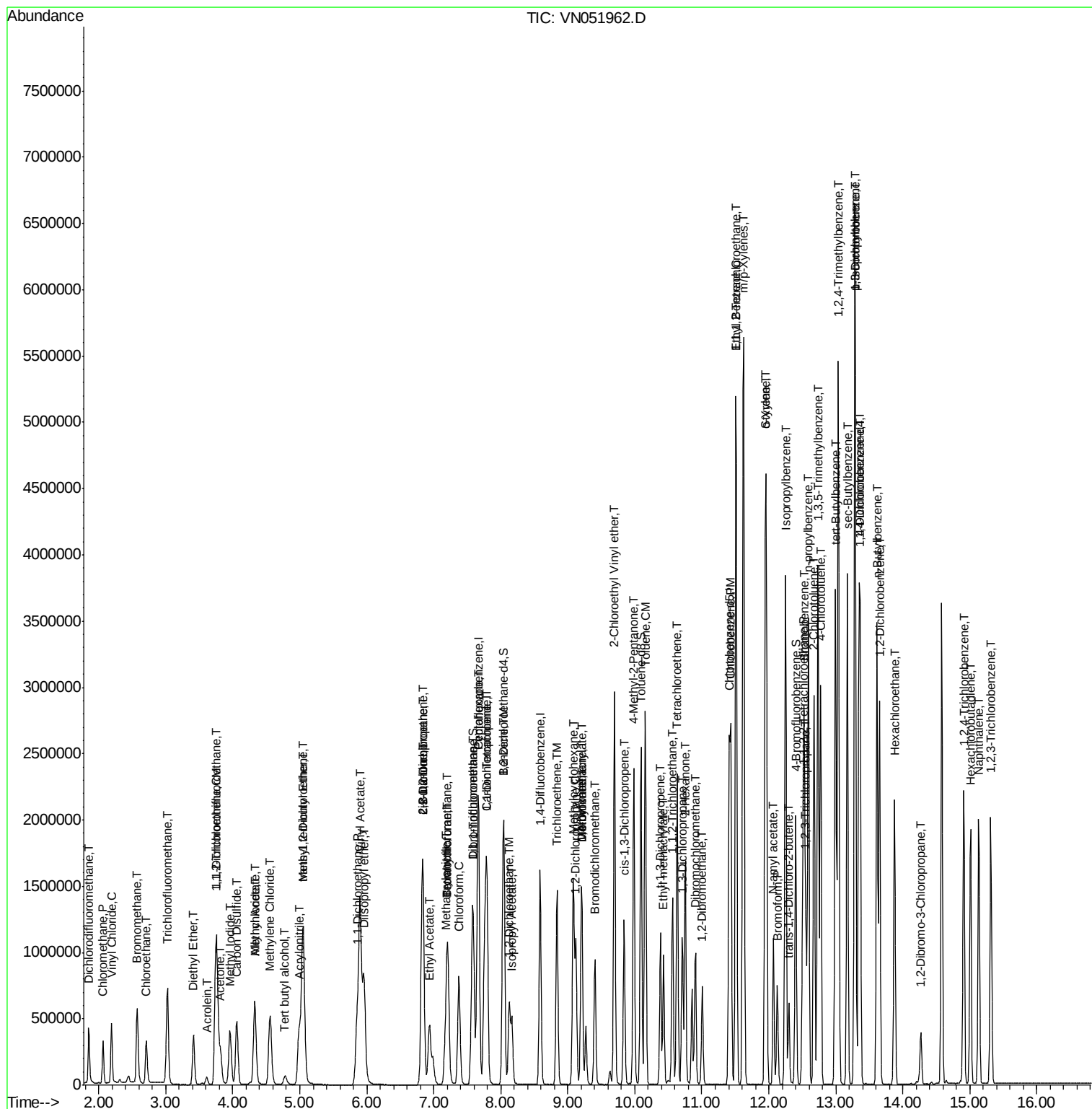
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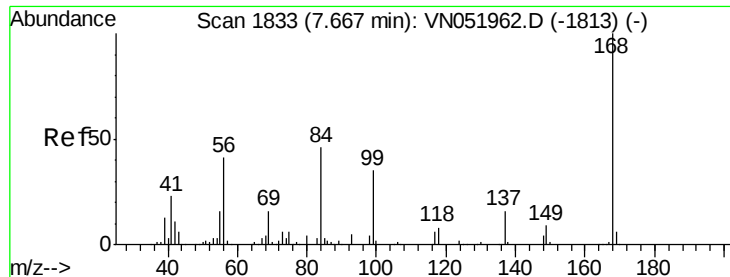
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 1072570

Ion Ratio Lower Upper

168 100

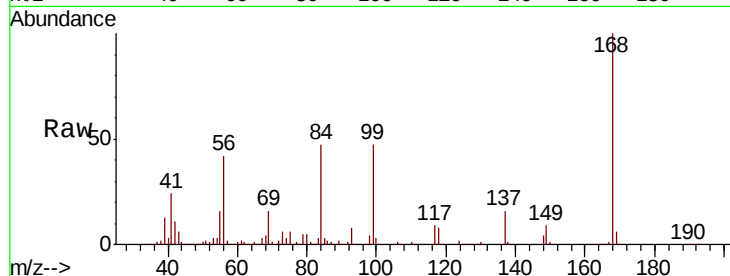
99 47.2 37.8 56.6

Manual Integrations

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10/24/2018 10:09:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

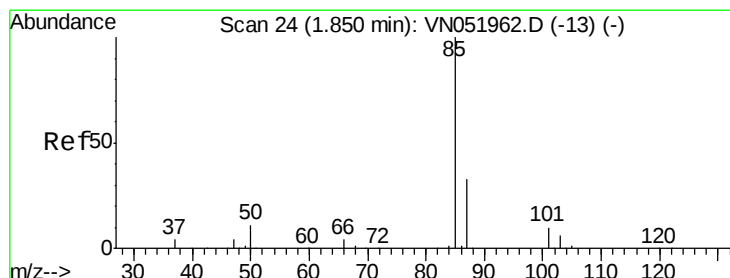
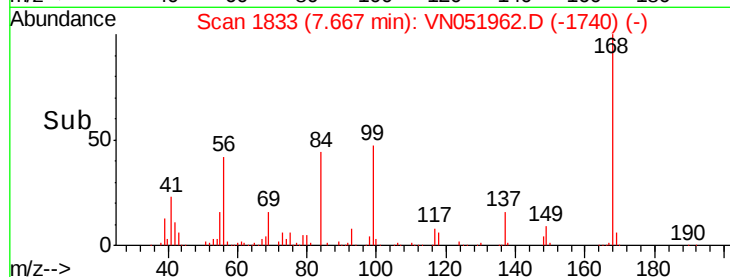
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.708 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051962.D

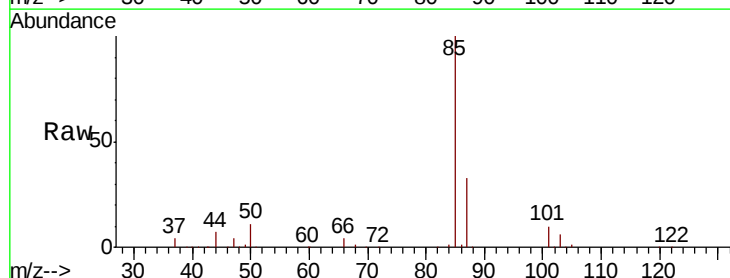
Acq: 23 Oct 2018 14:00

Tgt Ion: 85 Resp: 331529

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

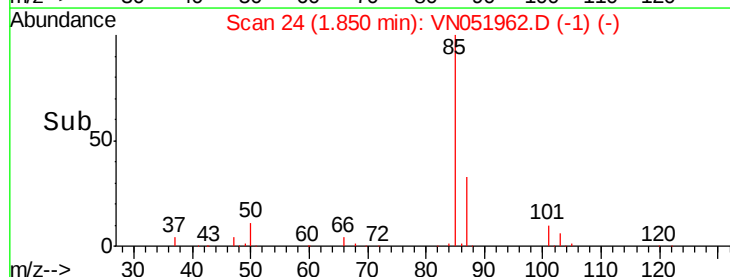
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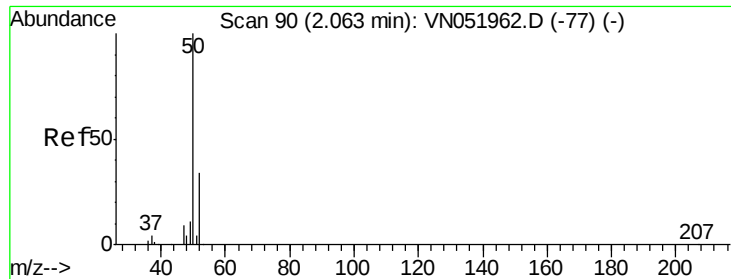
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50000

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Time-->





#3

Chloromethane

Concen: 48.885 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 299590

Ion Ratio Lower Upper

50 100

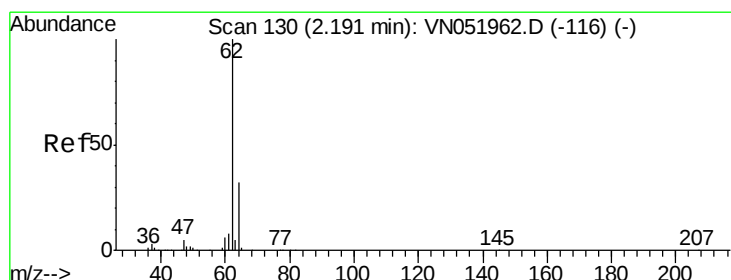
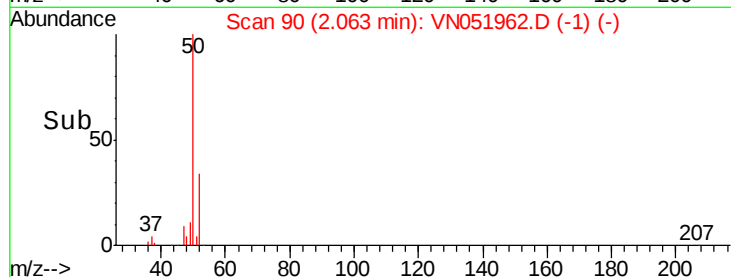
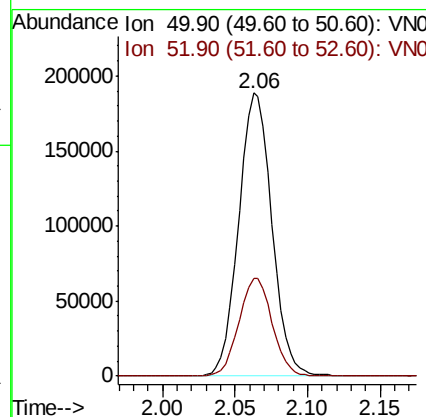
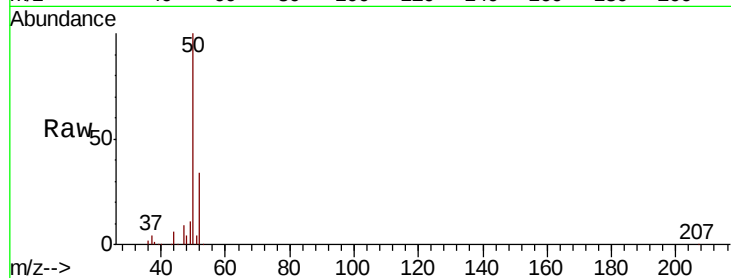
52 34.4 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.949 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN051962.D

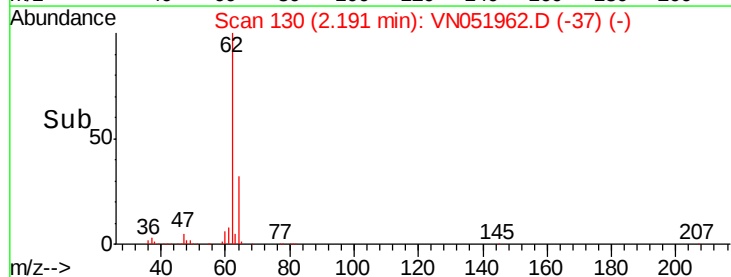
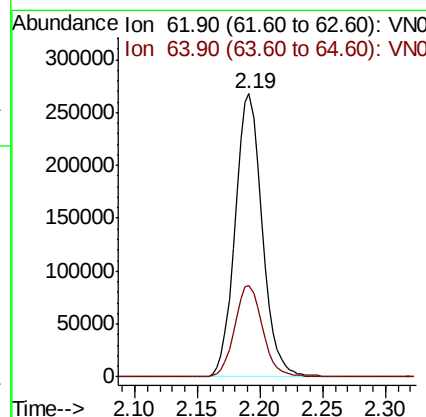
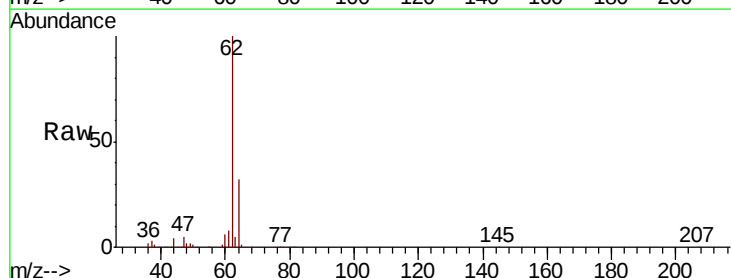
Acq: 23 Oct 2018 14:00

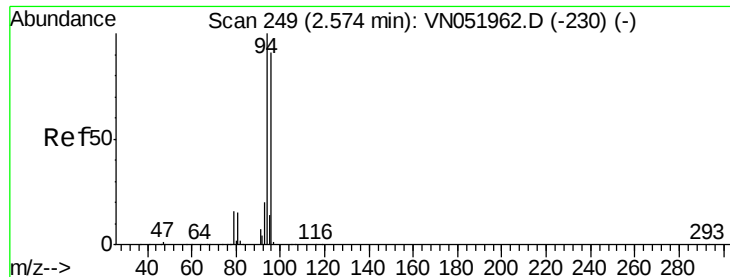
Tgt Ion: 62 Resp: 402100

Ion Ratio Lower Upper

62 100

64 32.5 26.0 39.0





#5

Bromomethane

Concen: 51.844 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

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ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 407758

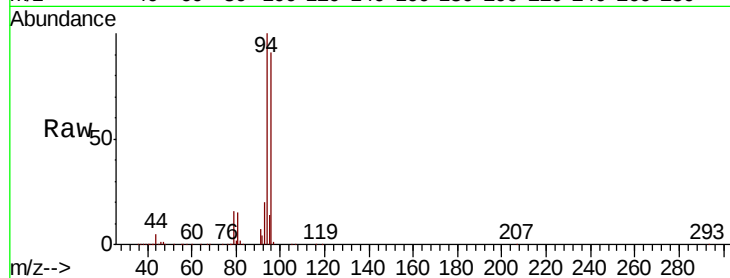
Ion Ratio Lower Upper

94 100

96 91.3 73.0 109.6

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN051962.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN051962.D (-230) (-)

2.57

200000

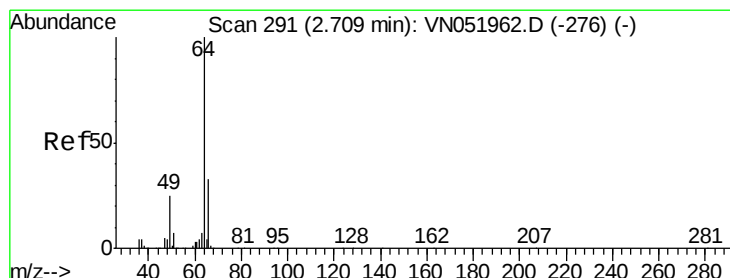
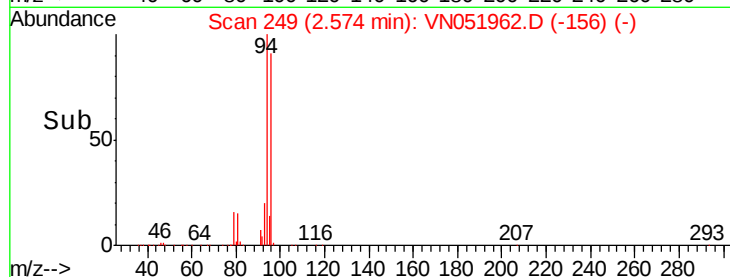
150000

100000

50000

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Time-->



#6

Chloroethane

Concen: 49.529 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051962.D

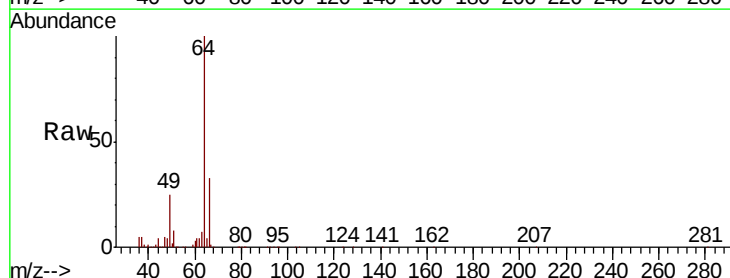
Acq: 23 Oct 2018 14:00

Tgt Ion: 64 Resp: 302061

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN051962.D (-276) (-)

Ion 65.90 (65.60 to 66.60): VN051962.D (-276) (-)

2.71

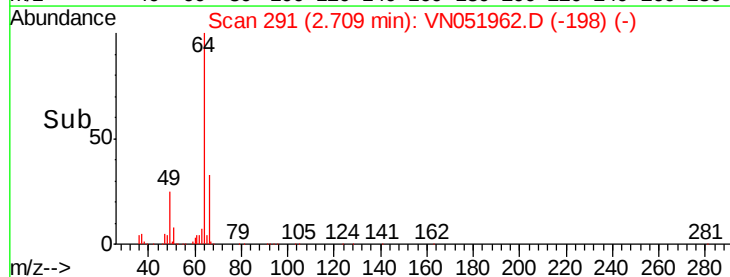
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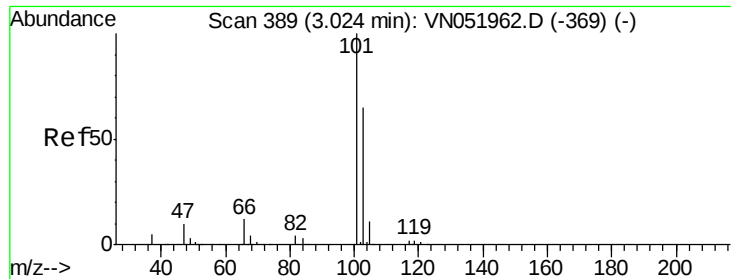
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50000

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Time-->





#7

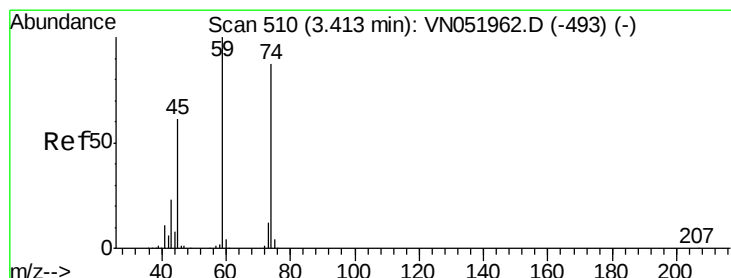
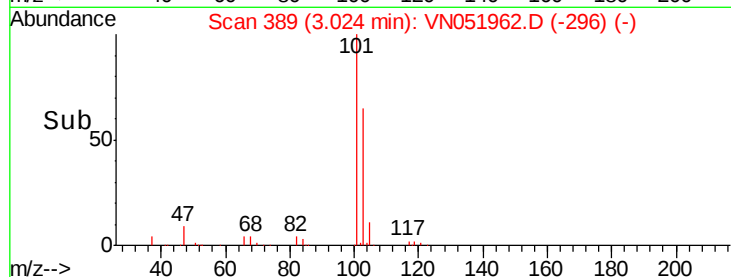
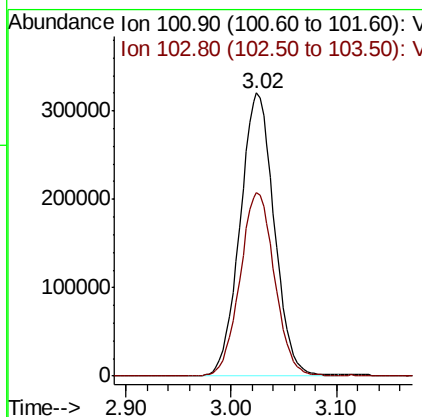
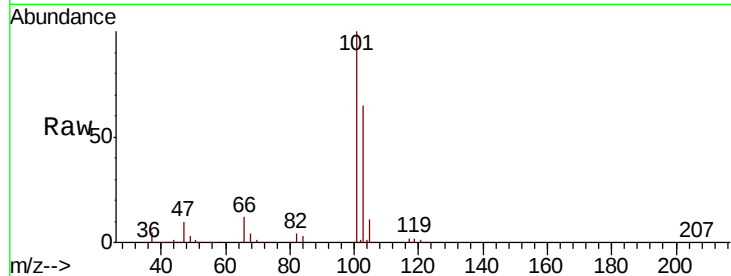
Trichlorofluoromethane
Concen: 49.308 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.0	78.0

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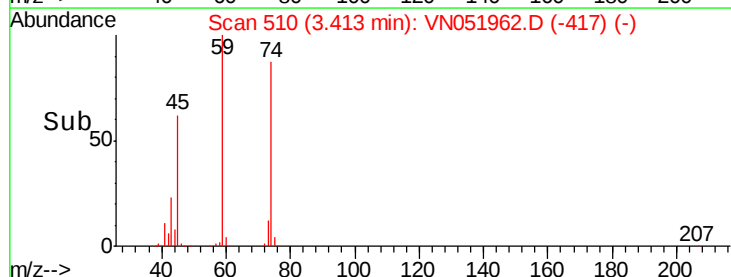
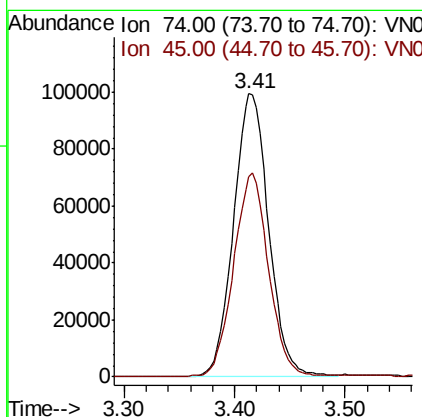
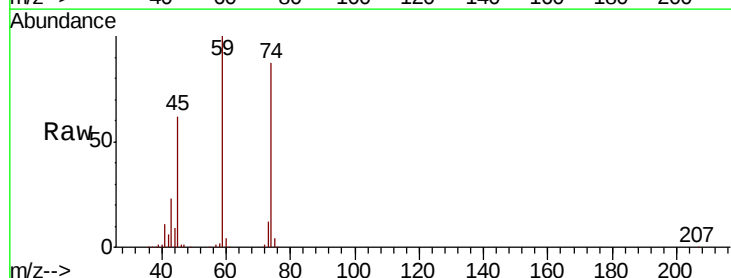
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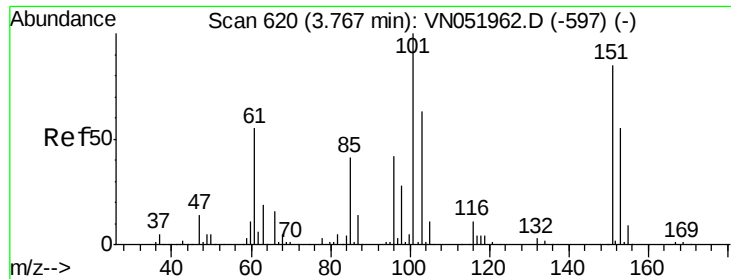


#8

Diethyl Ether
Concen: 50.512 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	71.0	35.5	106.5





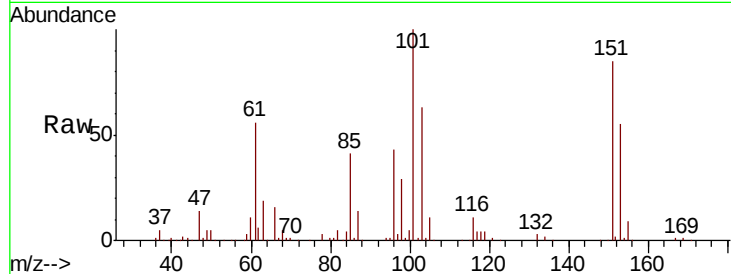
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.135 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	430829		
85	42.8		34.2	51.4
151	86.4		69.1	103.7

Manual Integrations
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 10/24/2018 10:09:21 AM

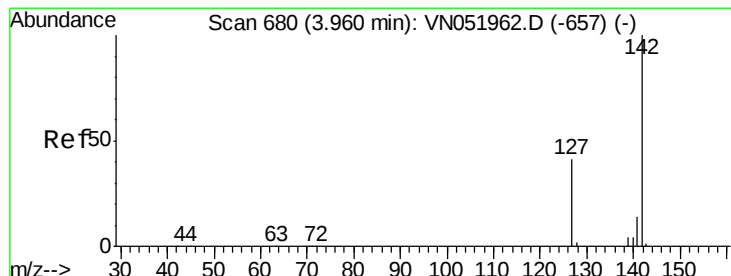
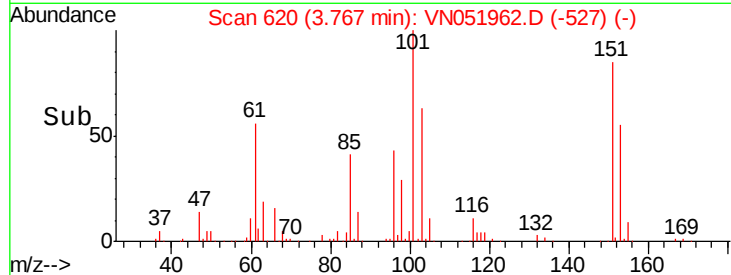
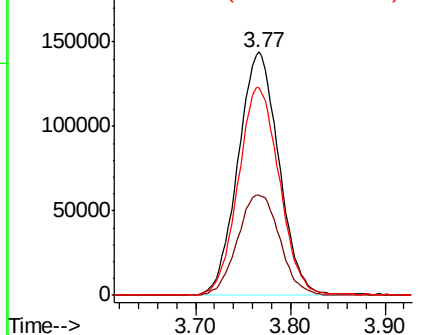


Abundance

Ion 100.90 (100.60 to 101.60): V

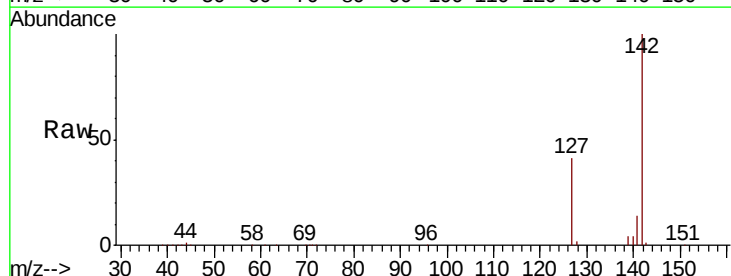
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 51.743 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	671250		
127	42.9		34.3	51.5
141	14.2		11.4	17.0

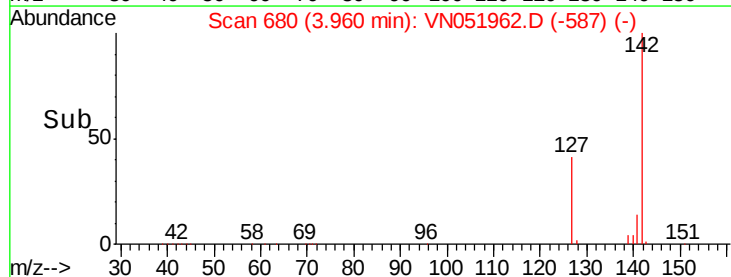
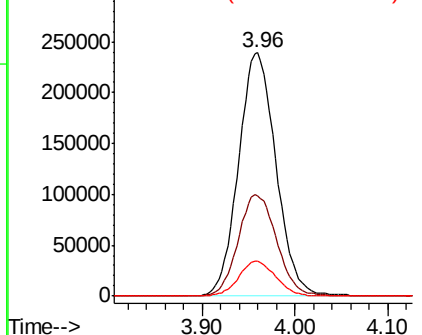


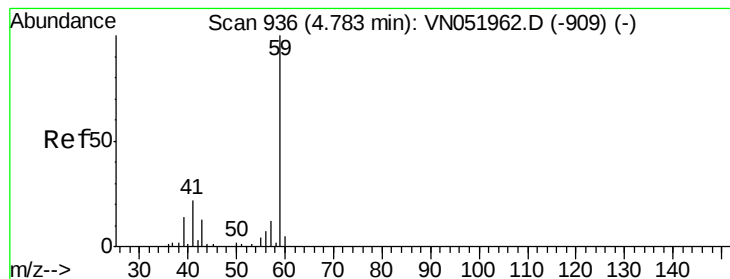
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

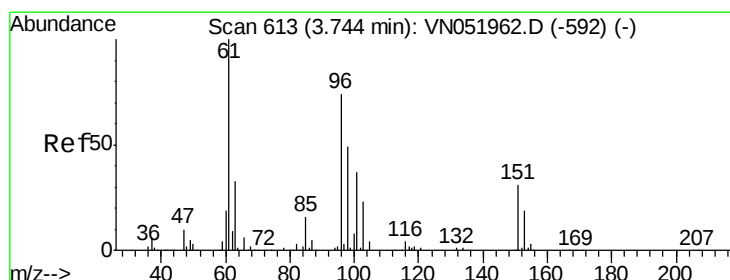
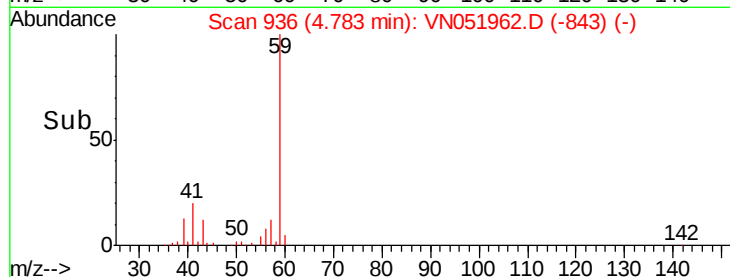
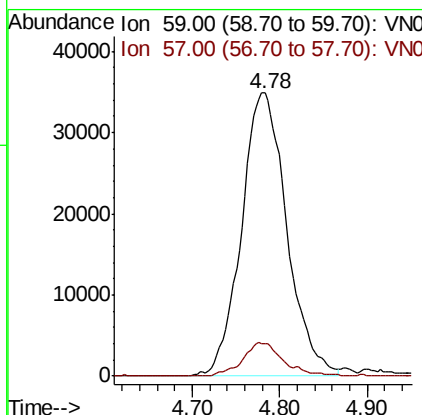
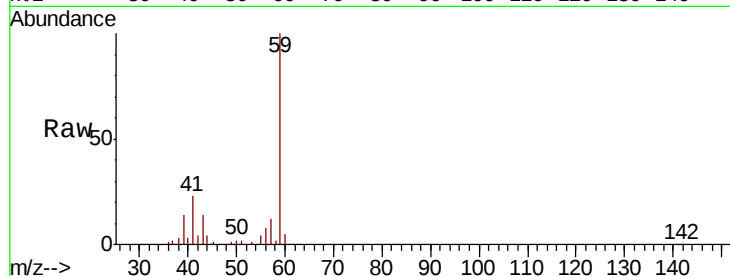
Tert butyl alcohol
 Concen: 252.127 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
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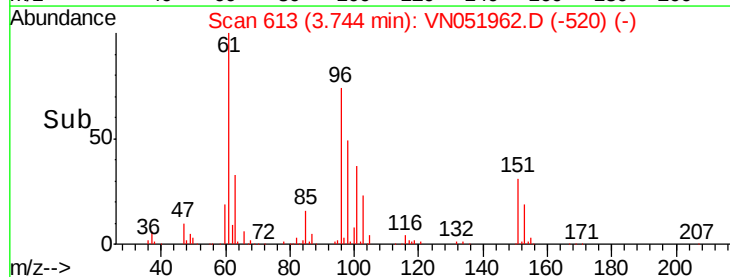
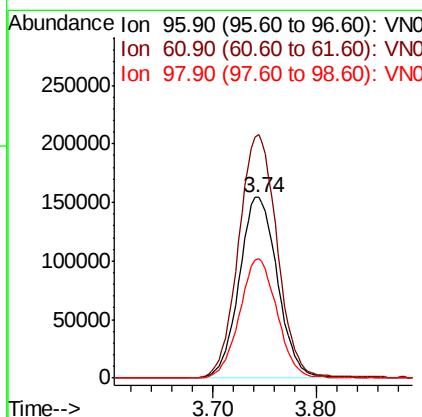
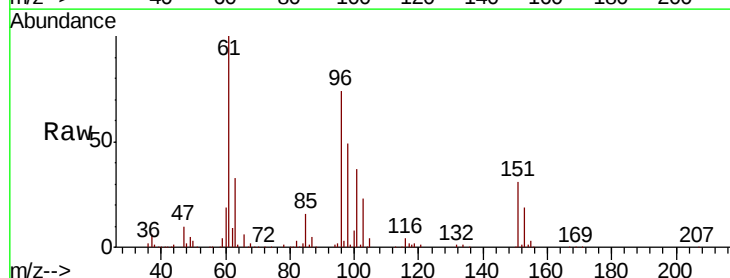
MMDadoda
 10/24/2018 10:09:21 AM

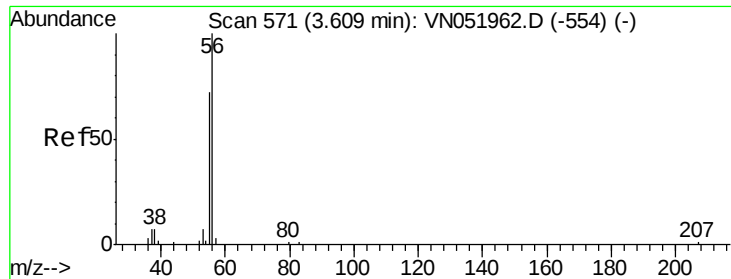


#12

1,1-Dichloroethene
 Concen: 50.700 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.8	107.8	161.8
98	65.9	52.7	79.1





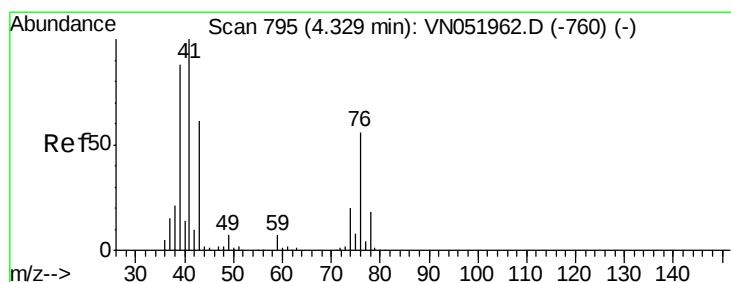
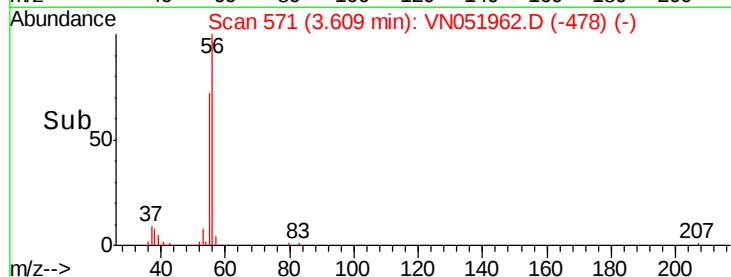
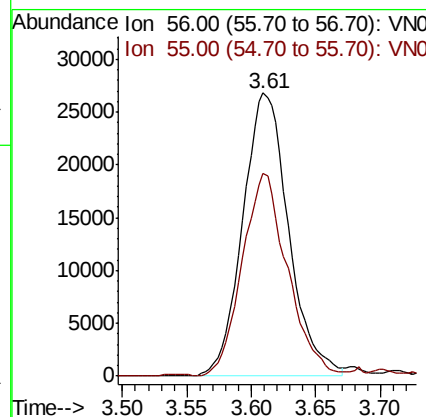
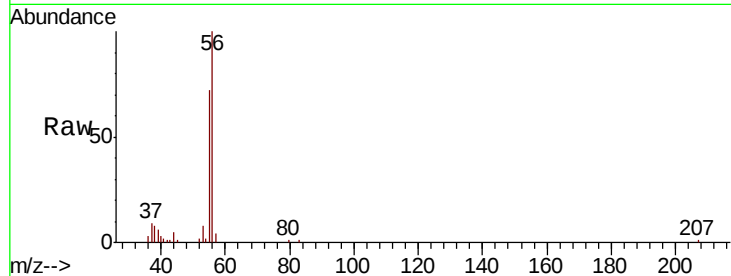
#13
Acrolein
Concen: 269.095 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	66512
Ion Ratio	100	Lower	Upper
55	70.7	56.6	84.8

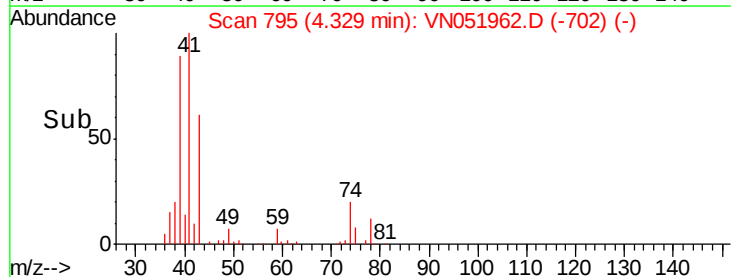
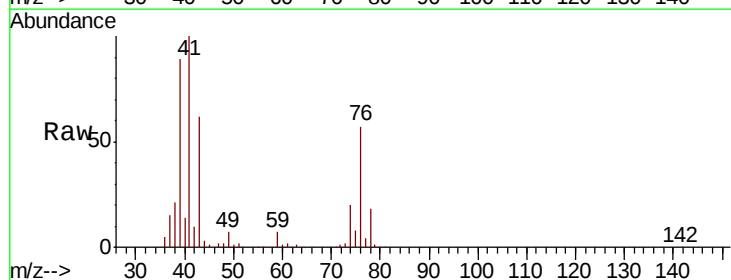
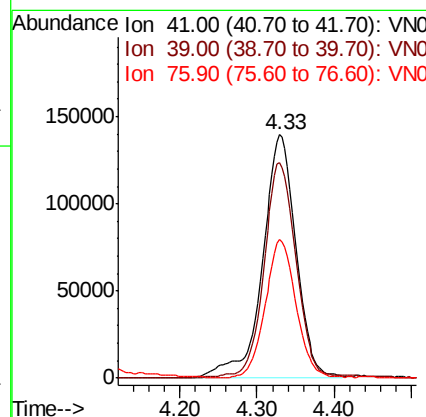
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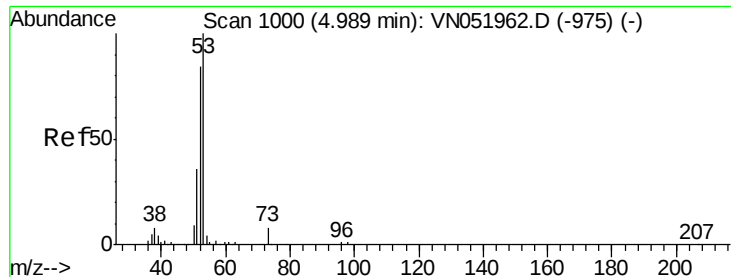
MMDadoda
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#14
Allyl chloride
Concen: 56.171 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	41	Resp	420301
Ion Ratio	100	Lower	Upper
39	84.6	67.7	101.5
76	51.6	41.3	61.9





#15

Acrylonitrile

Concen: 267.352 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

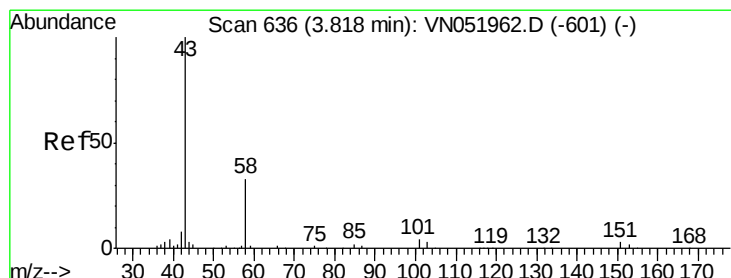
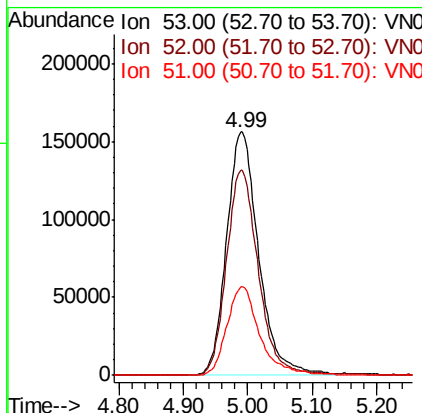
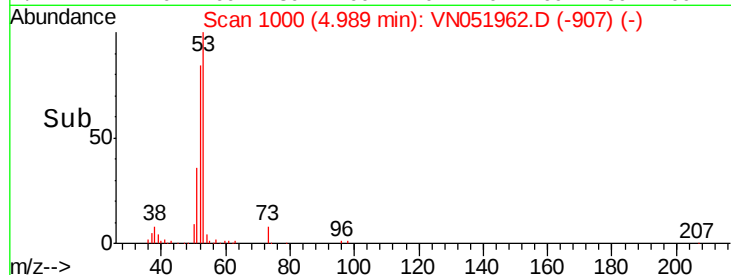
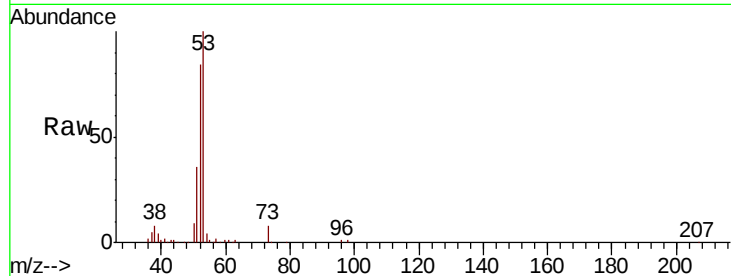
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	542829
Ion	Ratio	Lower	Upper
53	100		
52	83.7	67.0	100.4
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 248.555 ug/l

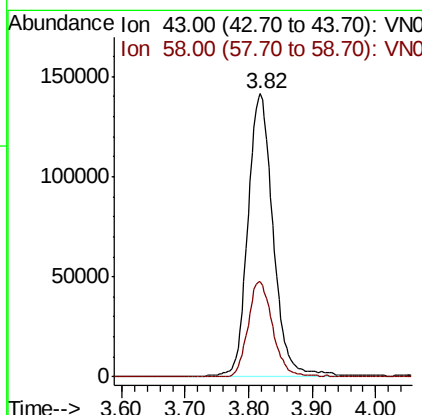
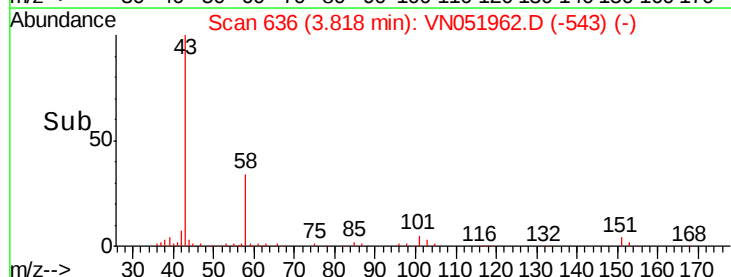
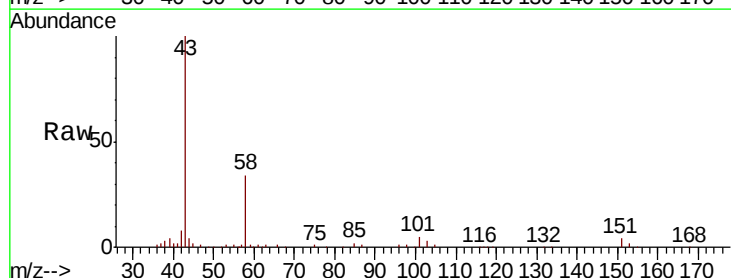
RT: 3.82 min Scan# 636

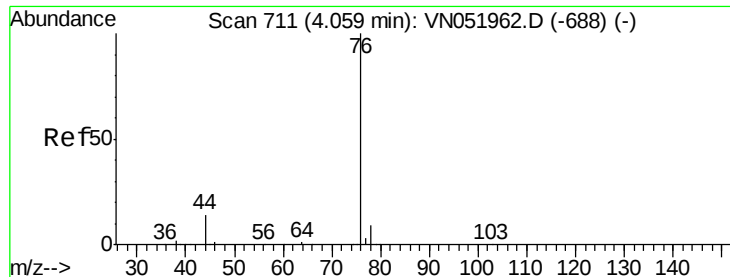
Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Tgt Ion:	43	Resp:	391187
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.7	40.1





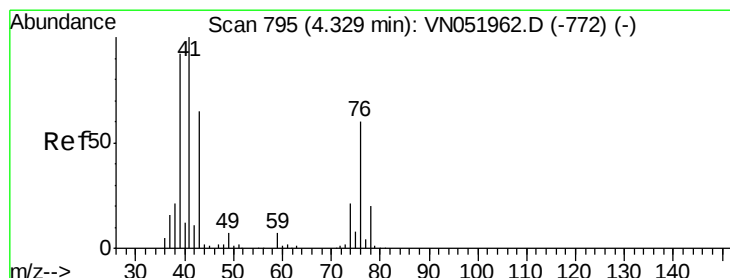
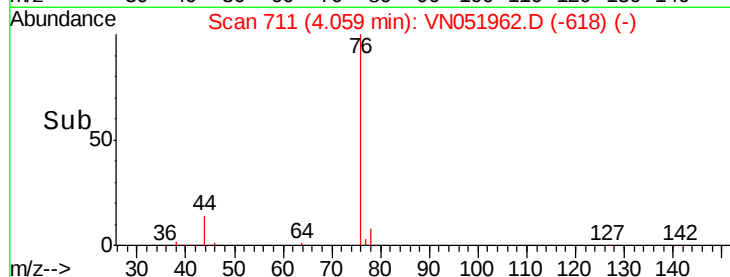
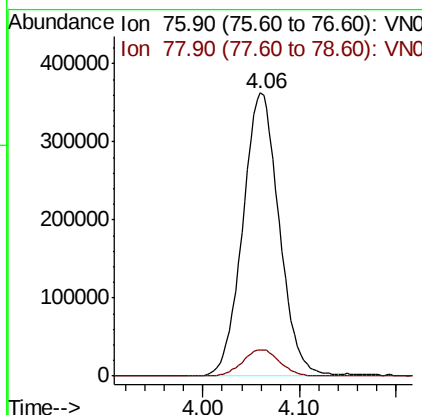
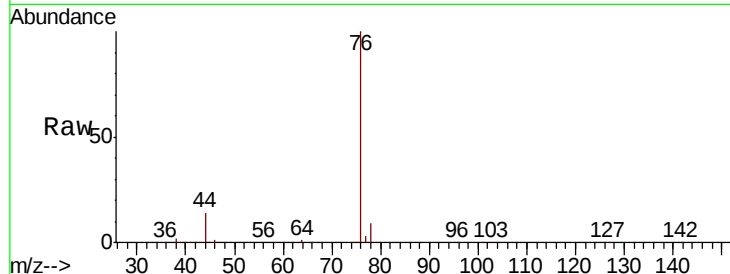
#17
Carbon Disulfide
Concen: 50.812 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

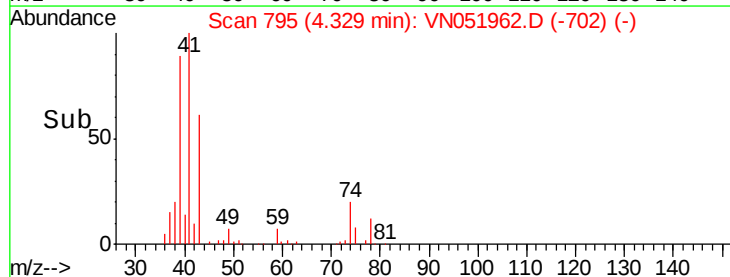
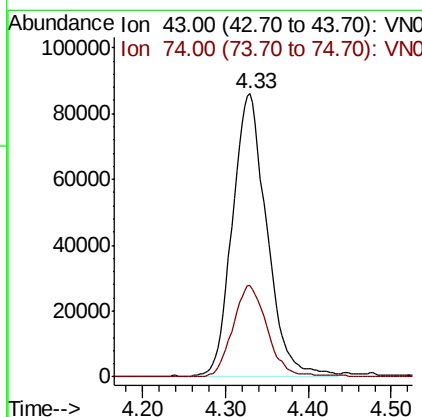
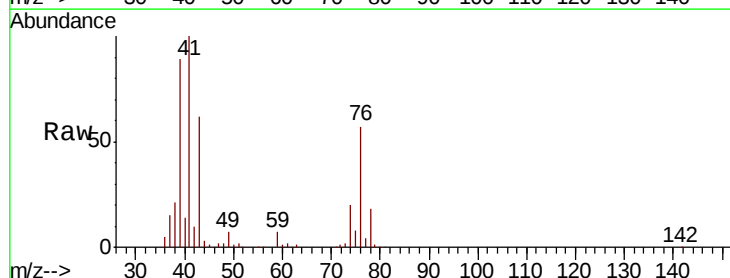
Manual Integrations
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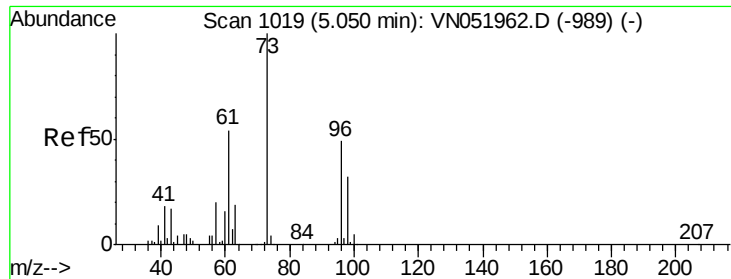
MMDadoda
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#18
Methyl Acetate
Concen: 46.945 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	32.1	25.7	38.5





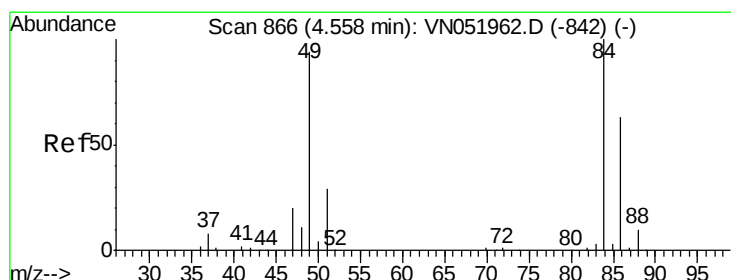
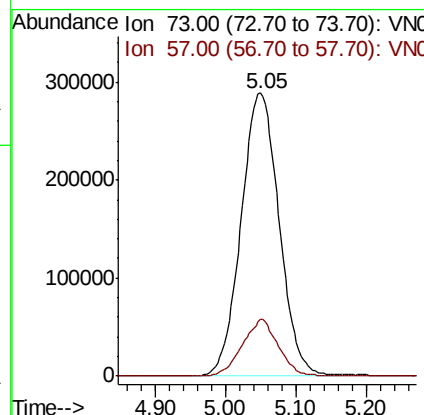
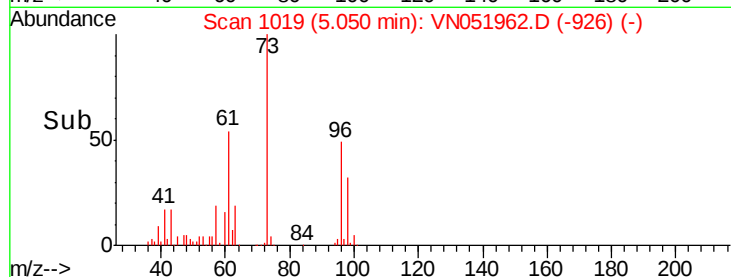
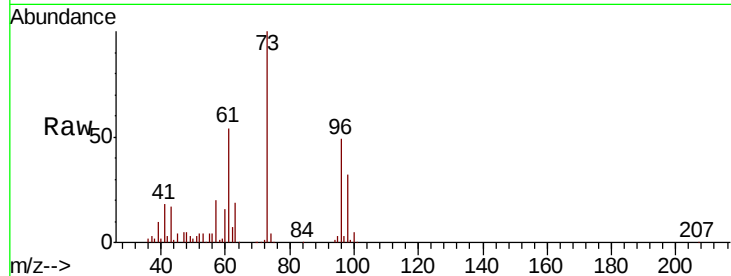
#19
Methyl tert-butyl Ether
Concen: 51.473 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1085160
Ion Ratio Lower Upper
73 100
57 19.9 15.9 23.9

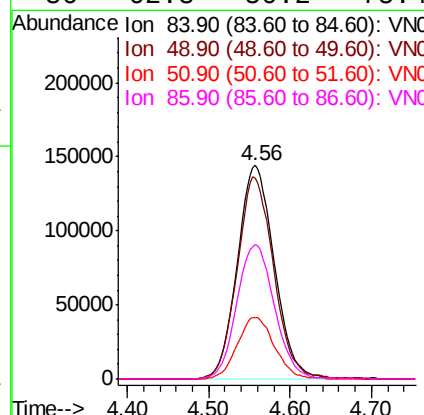
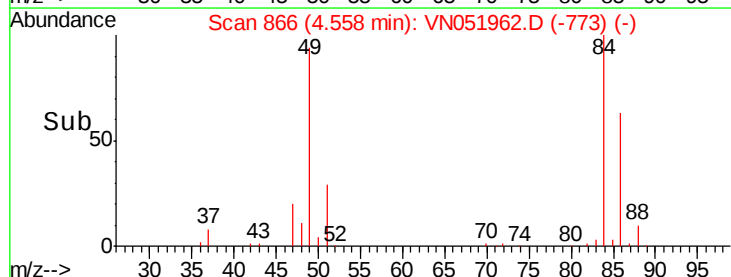
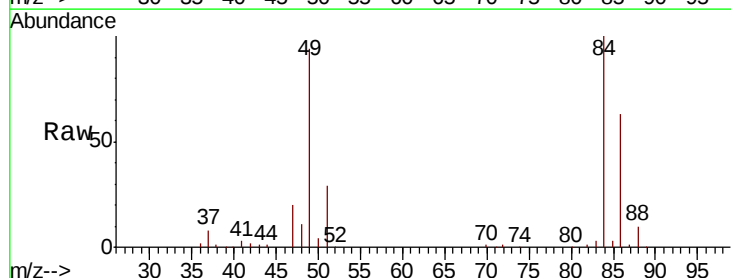
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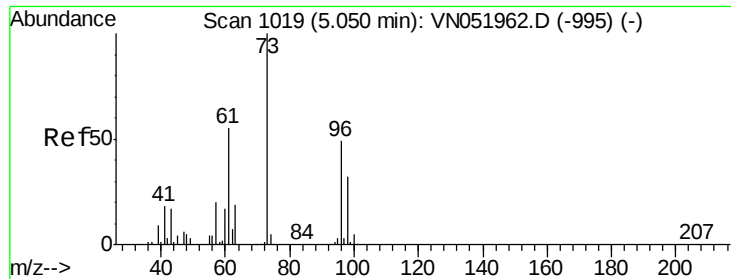
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#20
Methylene Chloride
Concen: 48.973 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 84 Resp: 452154
Ion Ratio Lower Upper
84 100
49 94.2 75.4 113.0
51 28.9 23.1 34.7
86 62.8 50.2 75.4





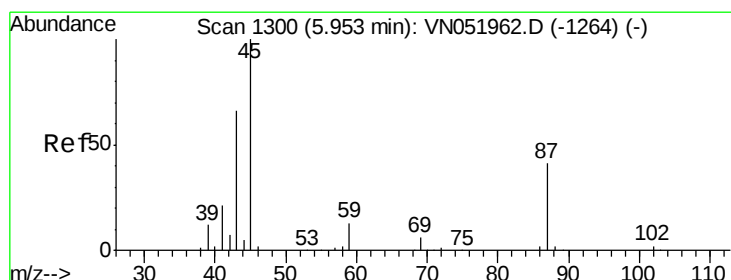
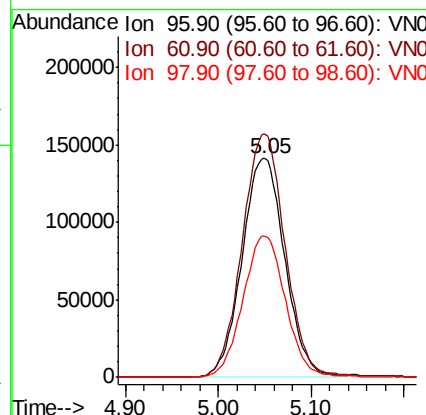
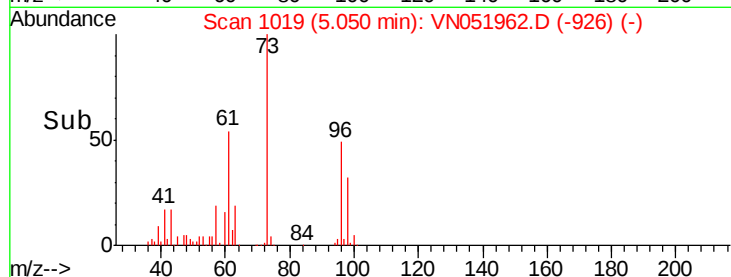
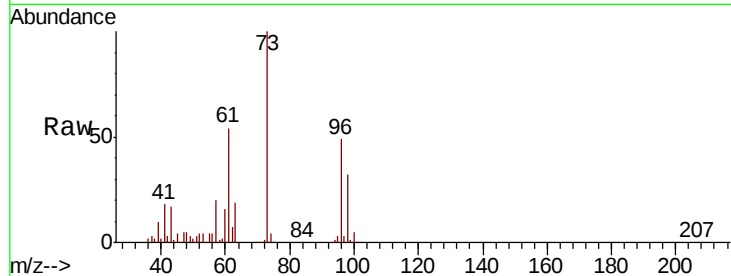
#21
trans-1,2-Dichloroethene
Concen: 50.897 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	111.2	89.0	133.4
98	64.8	51.8	77.8

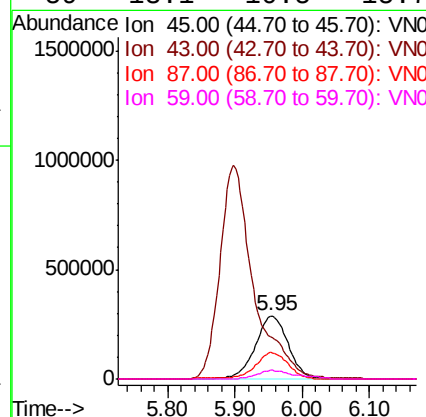
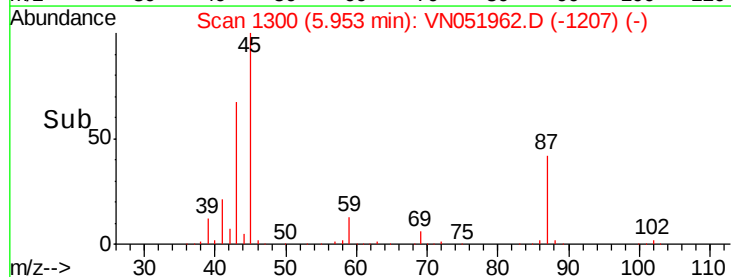
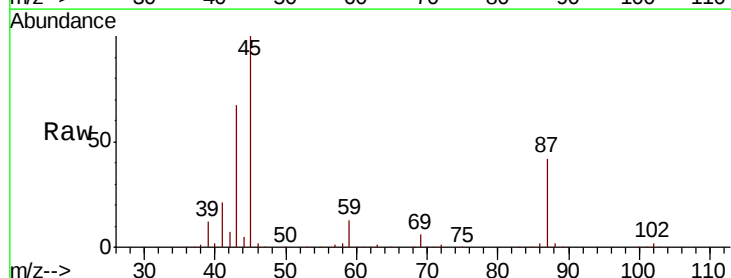
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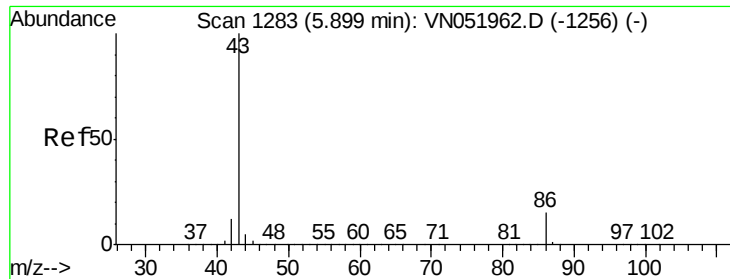
MMDadoda
10/24/2018 10:09:21 AM



#22
Diisopropyl ether
Concen: 52.530 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	52.9	79.3
87	41.7	33.4	50.0
59	13.1	10.5	15.7





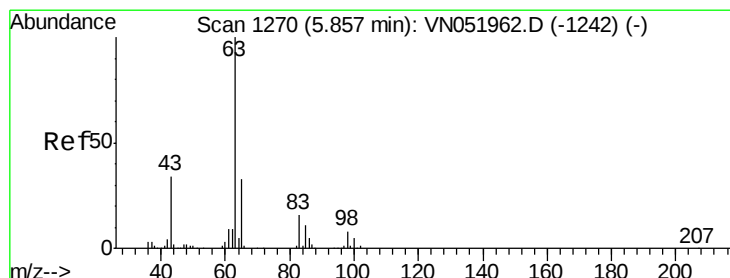
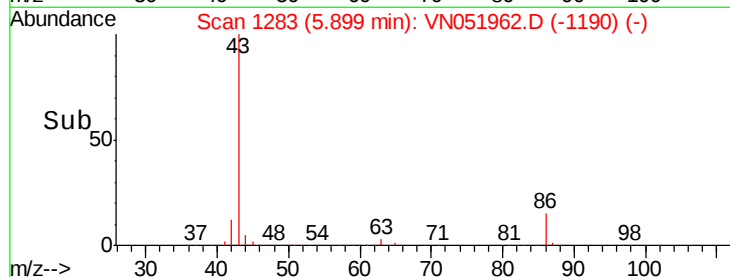
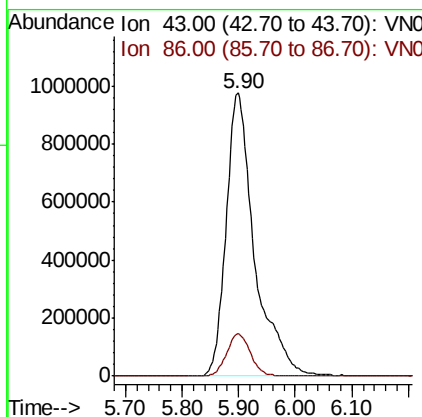
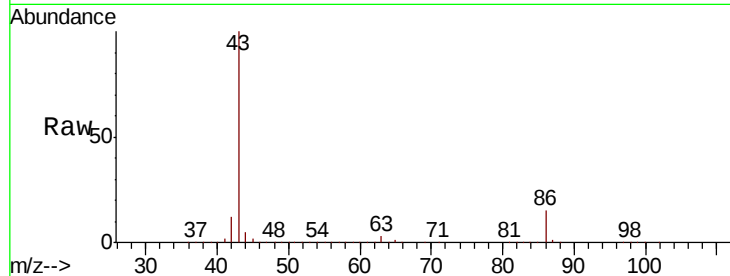
#23
 Vinyl Acetate
 Concen: 264.063 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 3414873
 Ion Ratio Lower Upper
 43 100
 86 14.9 11.9 17.9

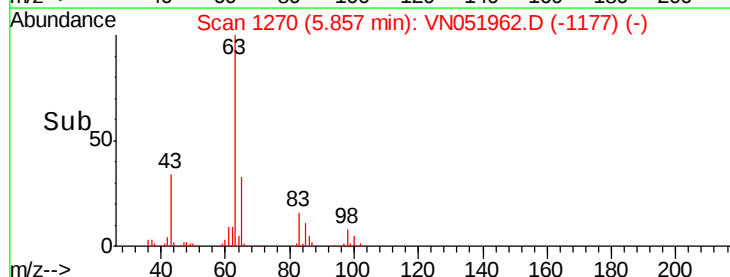
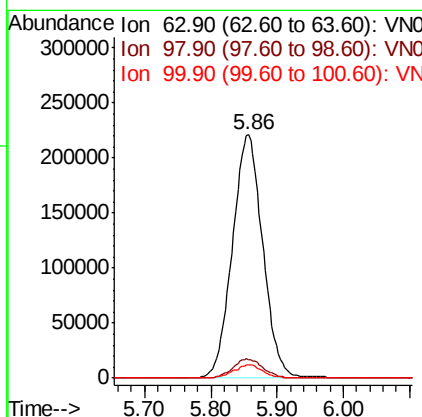
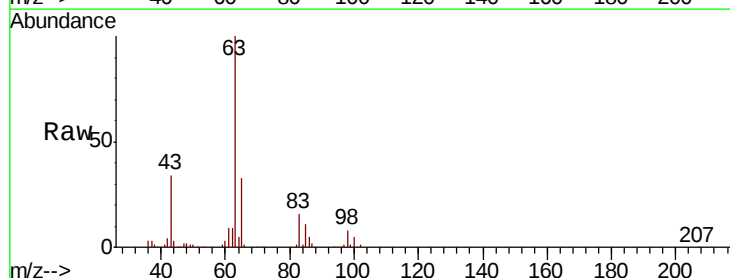
Manual Integrations
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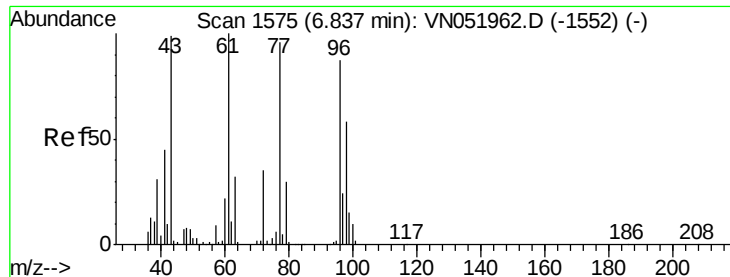
MMDadoda
 10/24/2018 10:09:21 AM



#24
 1,1-Dichloroethane
 Concen: 50.782 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion: 63 Resp: 704808
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.9 11.7
 100 5.3 2.6 8.0





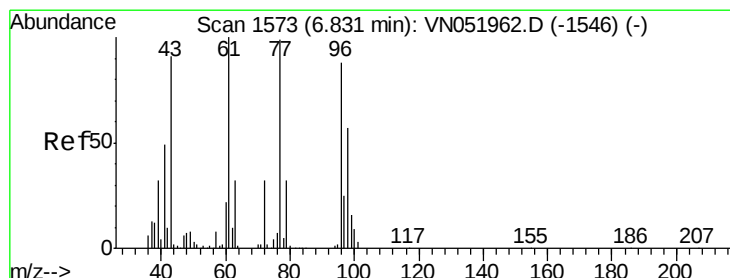
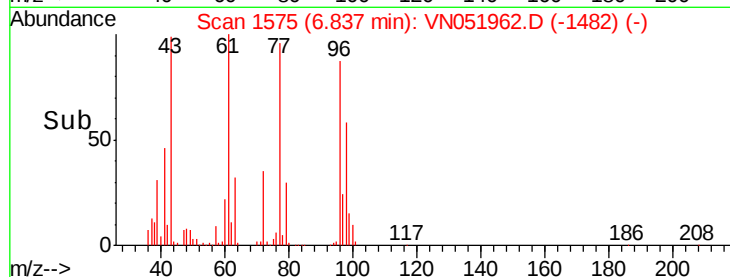
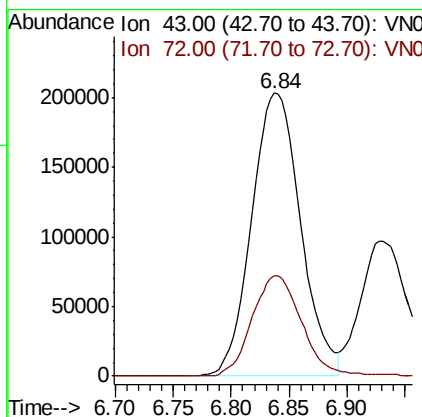
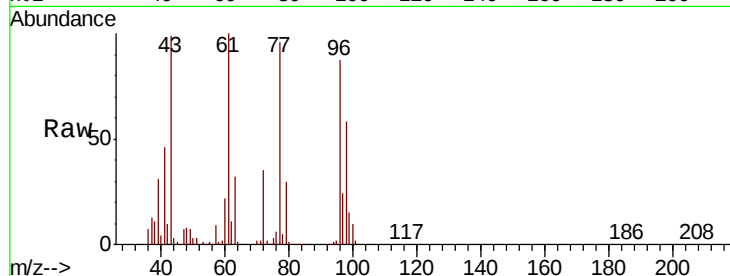
#25
2-Butanone
Concen: 265.818 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 596409
Ion Ratio Lower Upper
43 100
72 35.6 28.5 42.7

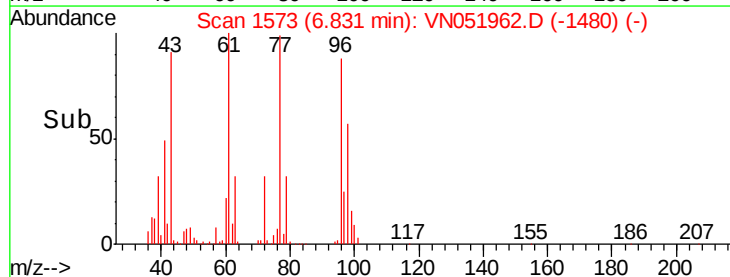
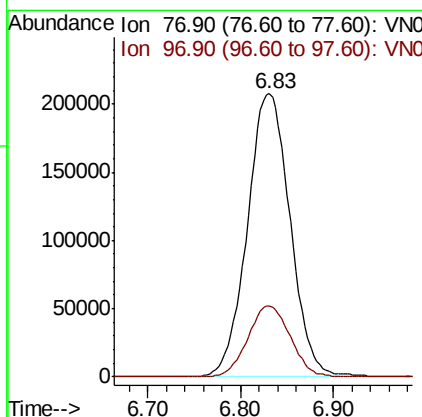
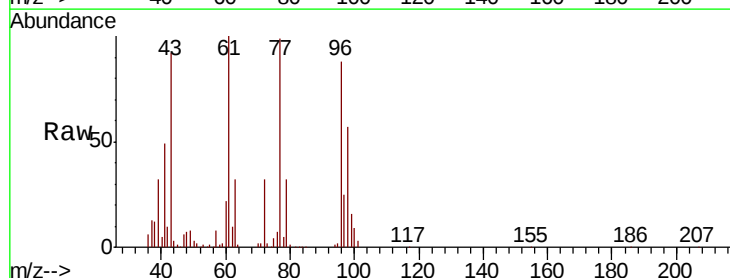
Manual Integrations
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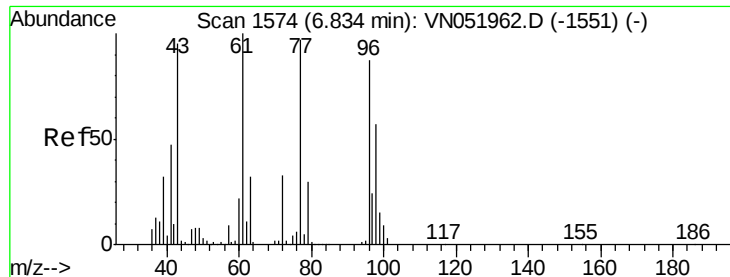
MMDadoda
10/24/2018 10:09:21 AM



#26
2,2-Dichloropropane
Concen: 52.227 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 77 Resp: 663195
Ion Ratio Lower Upper
77 100
97 25.1 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 51.509 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

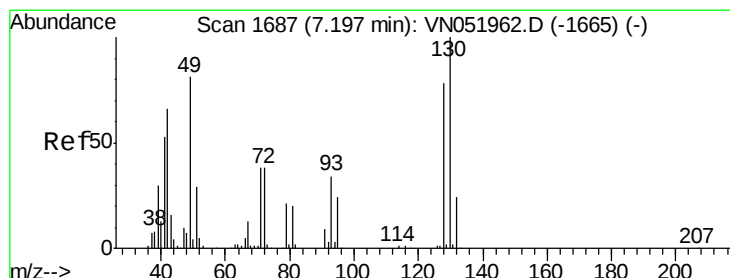
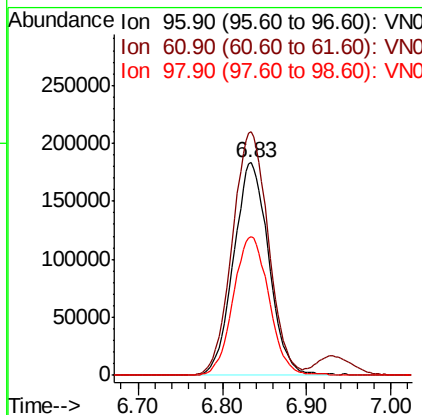
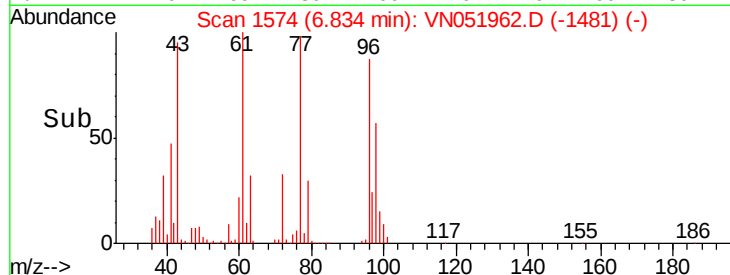
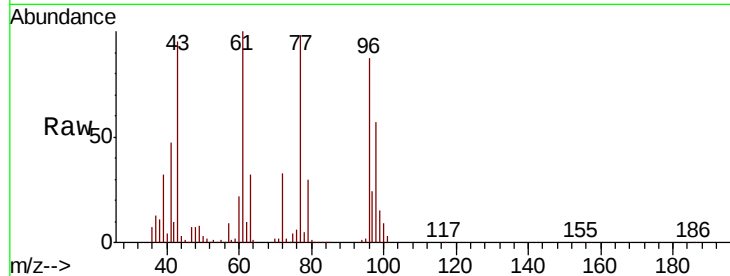
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	532761
Ion Ratio	Lower	Upper	
96	100		
61	117.2	0.0	234.4
98	65.8	0.0	131.6

Manual Integrations
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#28

Bromochloromethane

Concen: 53.902 ug/l

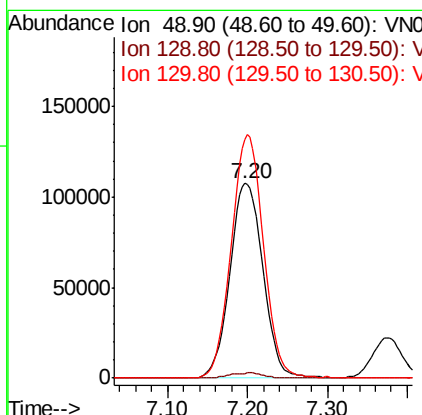
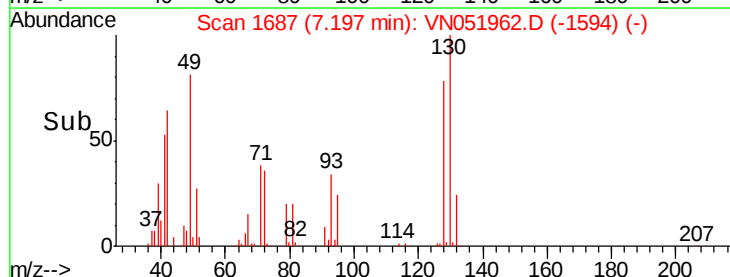
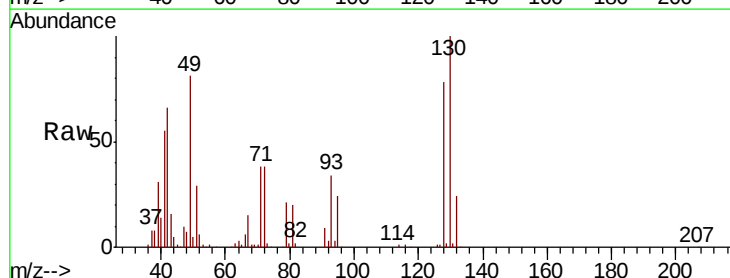
RT: 7.20 min Scan# 1687

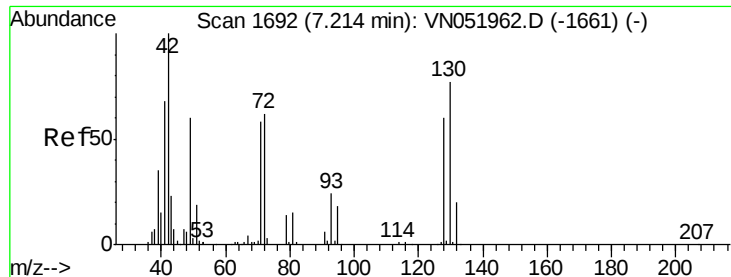
Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Tgt Ion:	49	Resp:	301511
Ion Ratio	Lower	Upper	
49	100		
129	2.7	0.0	5.4
130	121.3	97.0	145.6





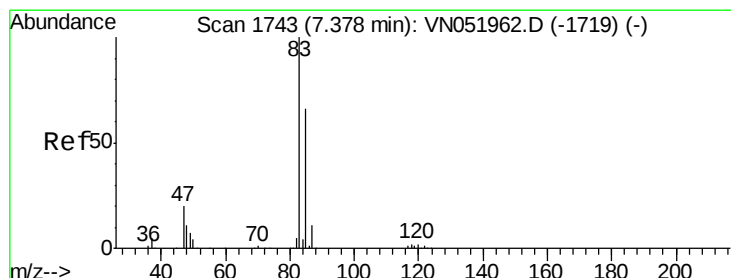
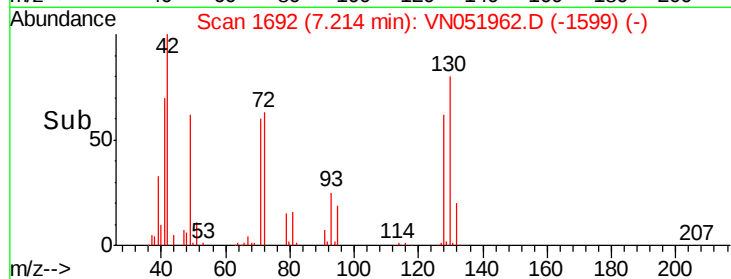
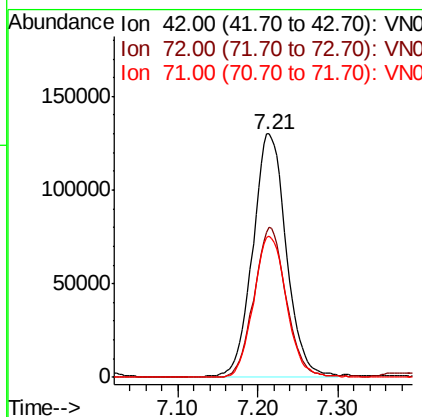
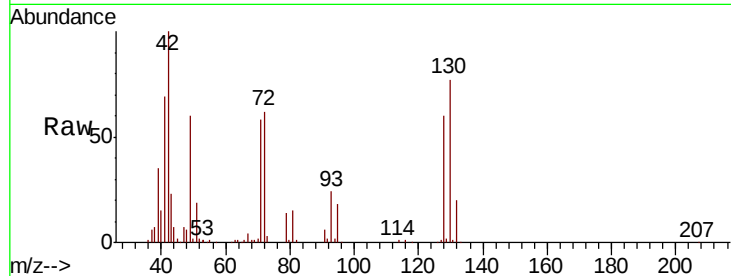
#29
Tetrahydrofuran
Concen: 245.818 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.4	47.5	71.3
71	56.8	45.4	68.2

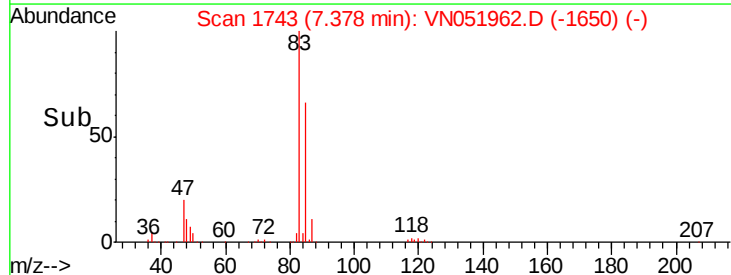
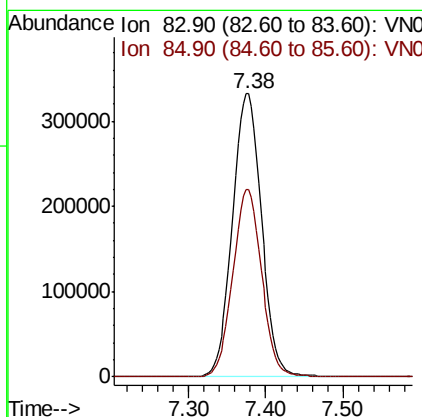
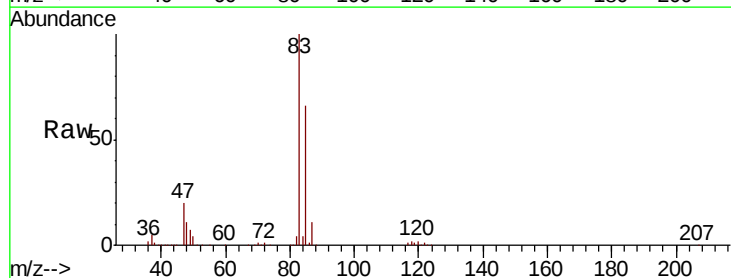
Manual Integrations
APPROVED

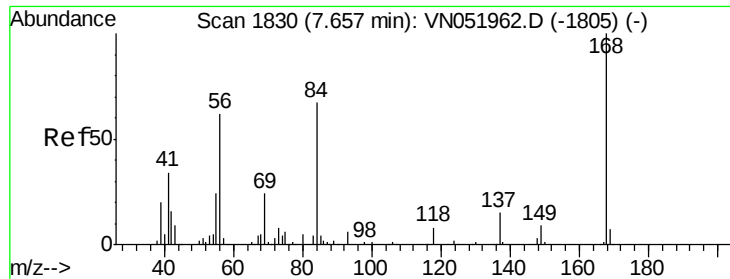
MMDadoda
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#30
Chloroform
Concen: 51.088 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.8	79.2





#31

Cyclohexane

Concen: 38.719 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

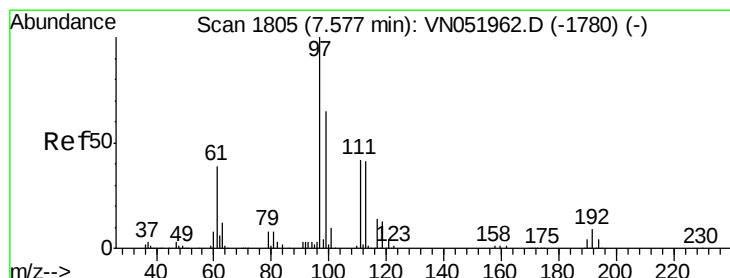
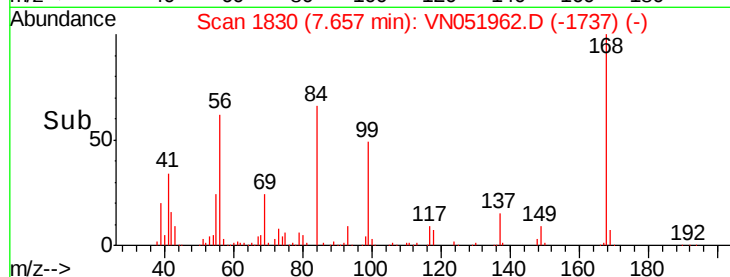
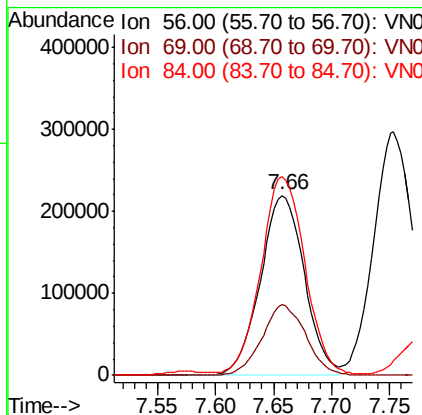
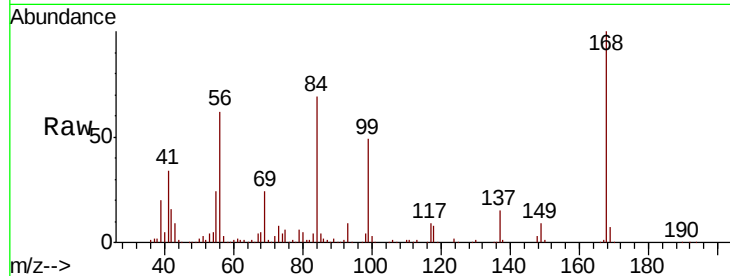
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	578891
Ion Ratio	Lower	Upper	
56	100		
69	39.0	31.2	46.8
84	107.9	86.3	129.5

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#32

1,1,1-Trichloroethane

Concen: 51.905 ug/l

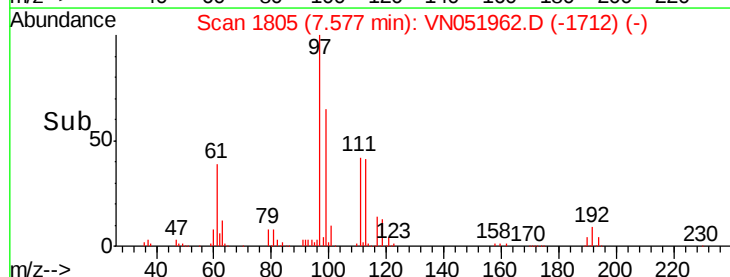
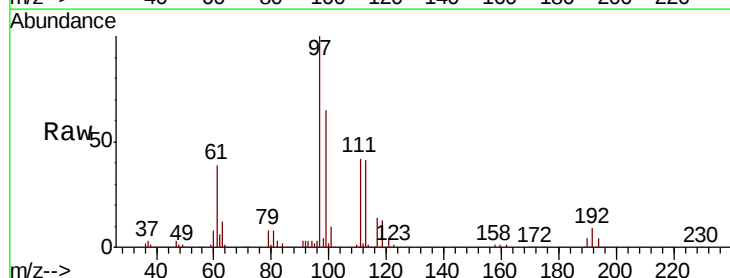
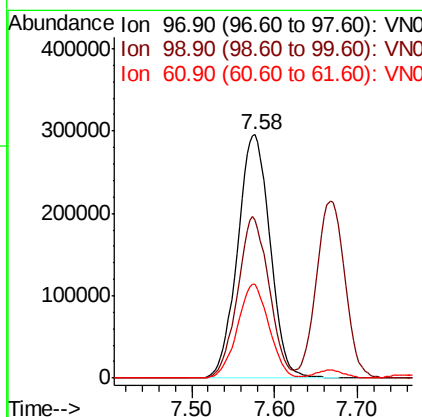
RT: 7.58 min Scan# 1805

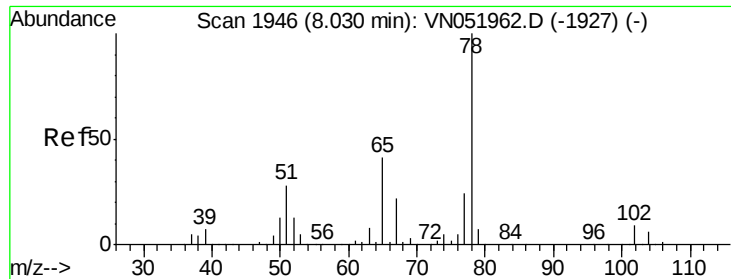
Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Tgt Ion:	97	Resp:	804370
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.5	77.3
61	37.6	30.1	45.1





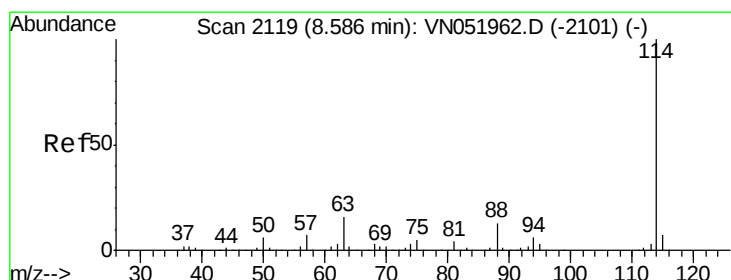
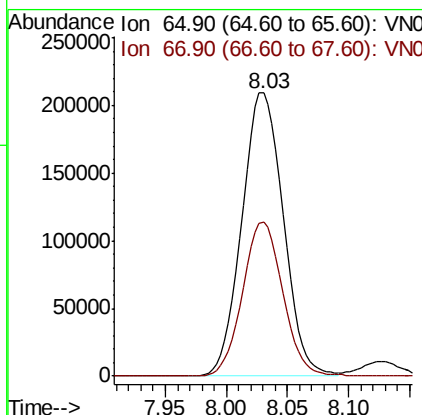
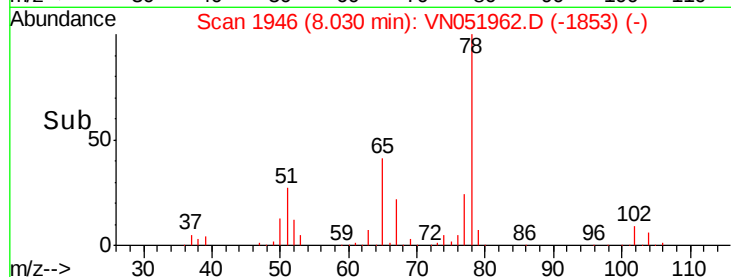
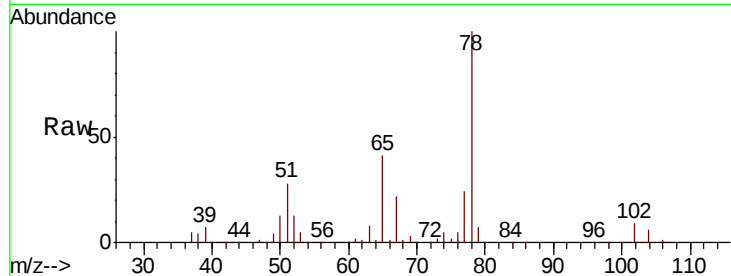
#33
 1,2-Dichloroethane-d4
 Concen: 51.905 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	493262		
67	52.9	0.0	105.8	

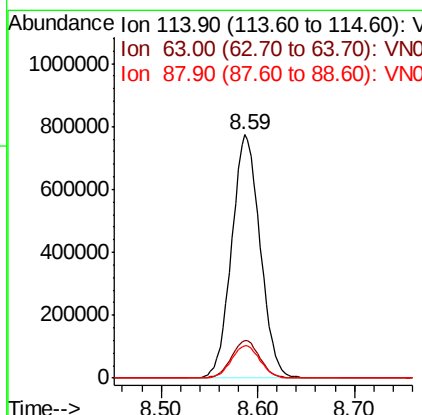
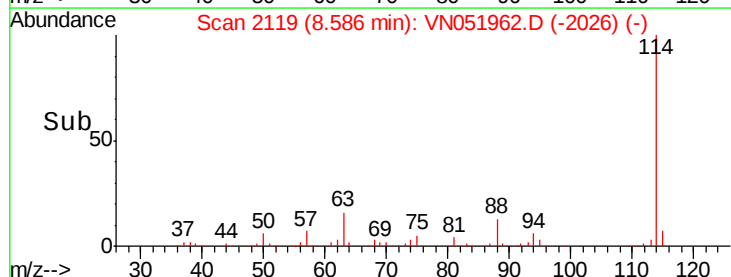
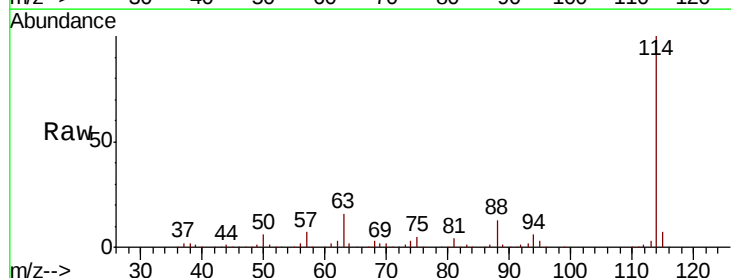
Manual Integrations
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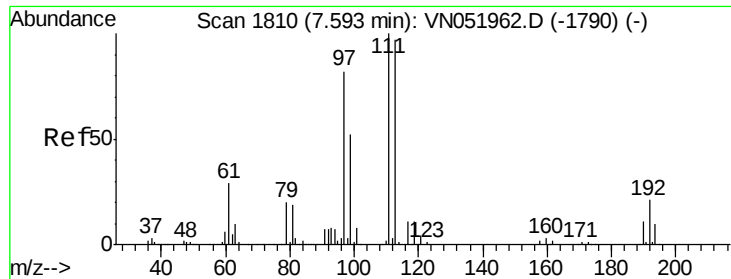
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1582078		
63	15.6	0.0	31.2	
88	13.5	0.0	27.0	





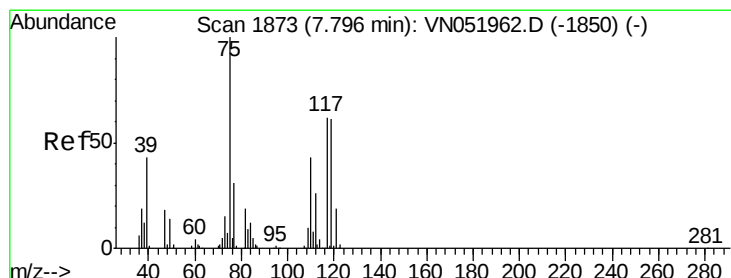
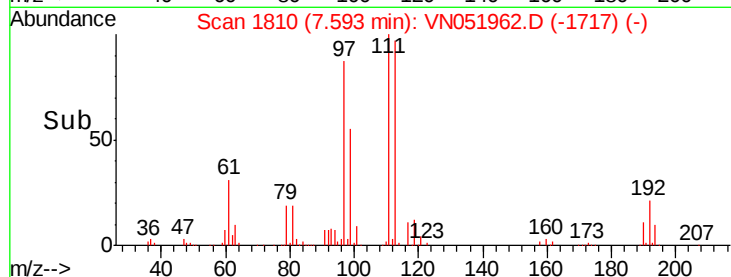
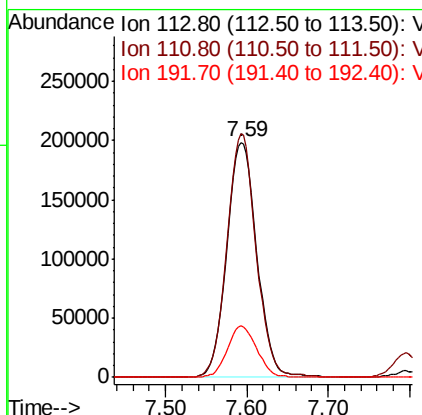
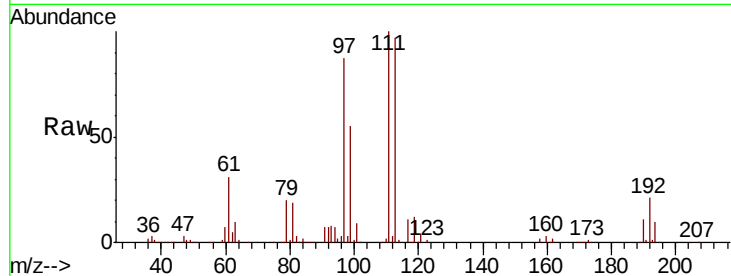
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	80.7	121.1
192	21.5	17.2	25.8

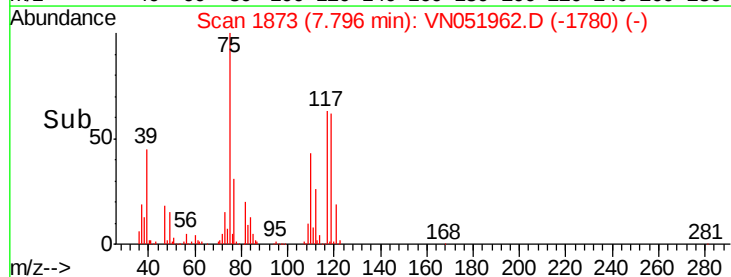
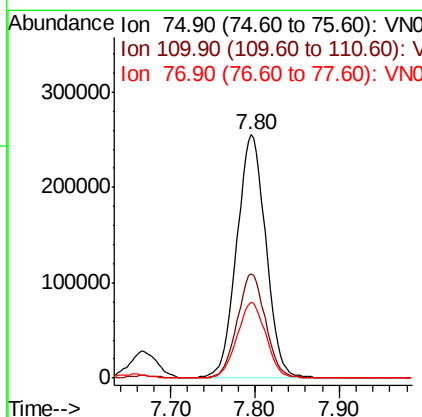
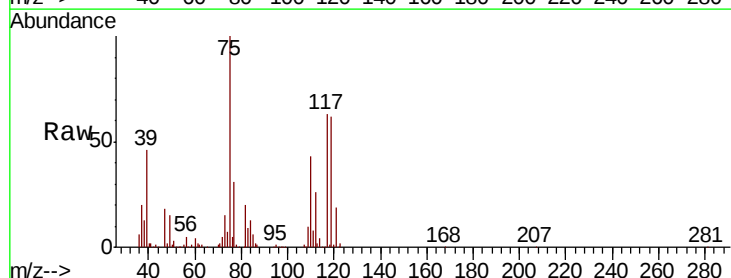
Manual Integrations
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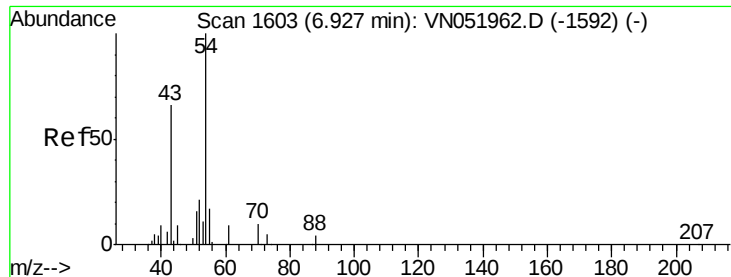
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#36
1,1-Dichloropropene
Concen: 50.502 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.9	20.9	62.8
77	31.1	24.9	37.3





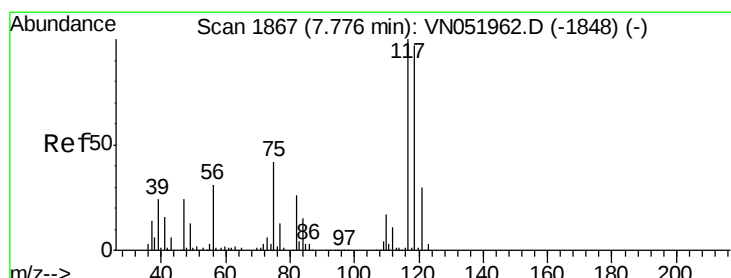
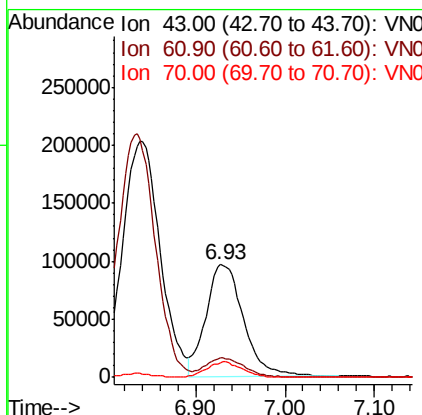
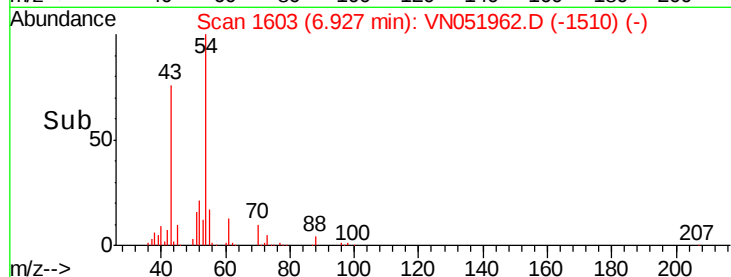
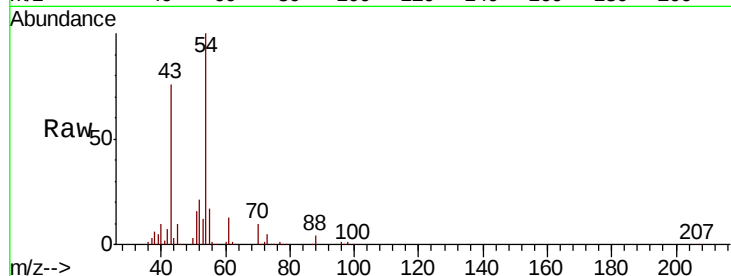
#37
Ethyl Acetate
Concen: 53.040 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	16.9	13.5	20.3	
70	12.2	9.8	14.6	

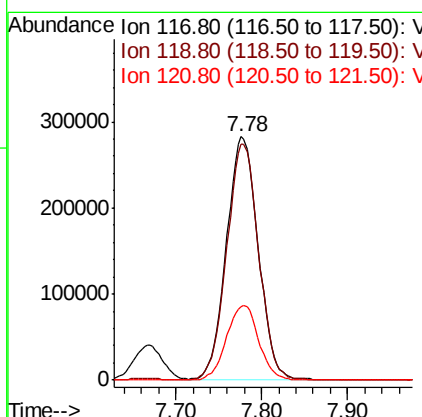
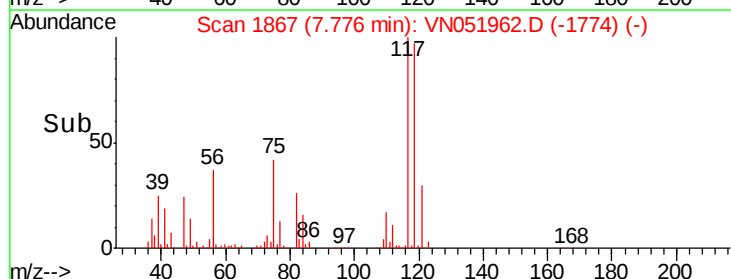
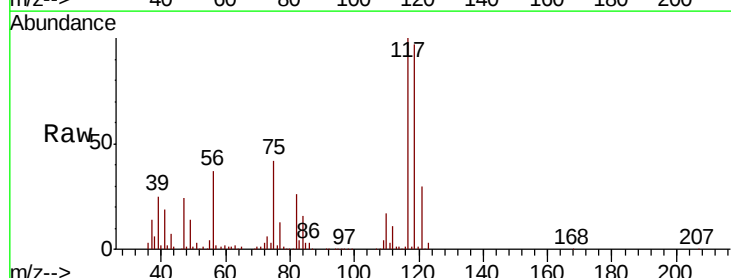
Manual Integrations
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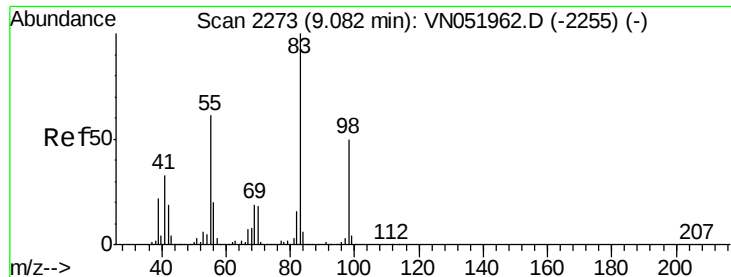
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#38
Carbon Tetrachloride
Concen: 51.912 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	77.4	116.0	
121	30.3	24.2	36.4	





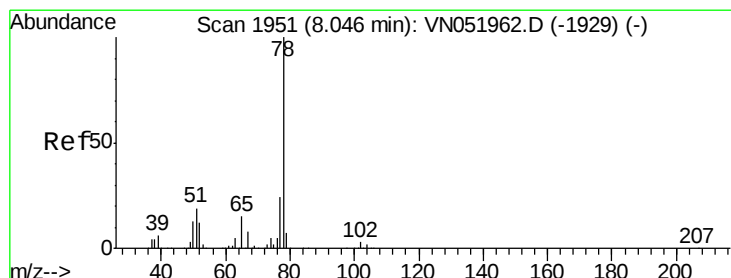
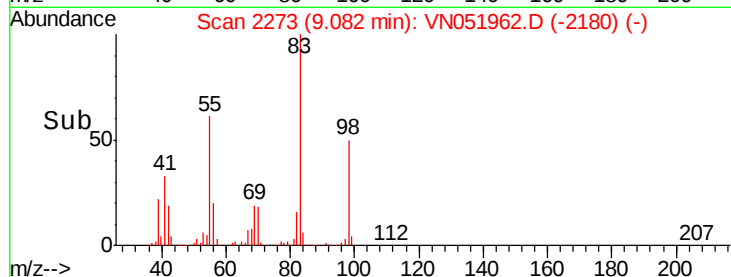
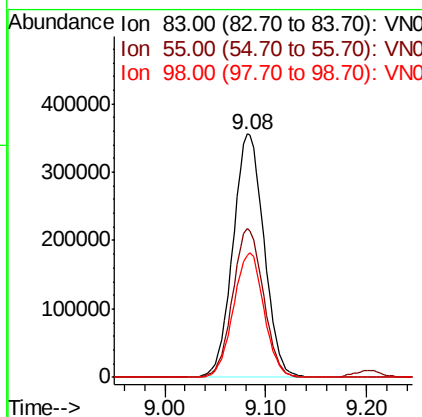
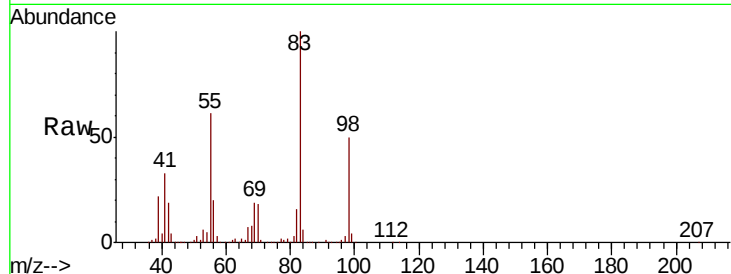
#39
Methvlcvclohexane
Concen: 51.073 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	61.1	48.9	73.3
98	50.2	40.2	60.2

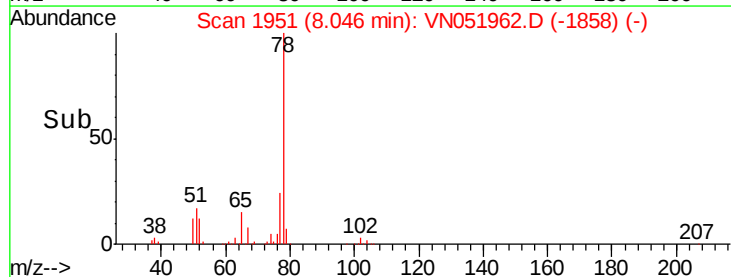
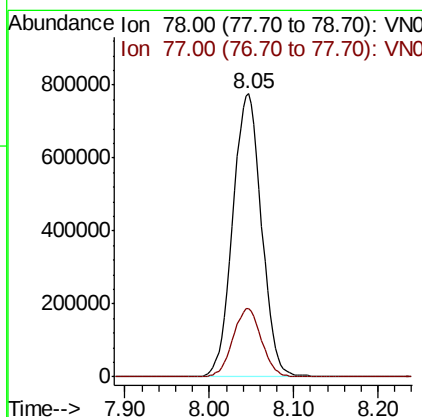
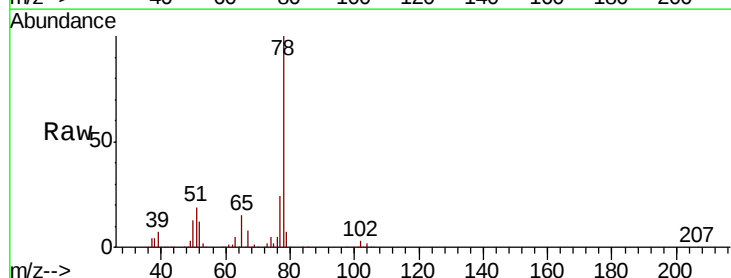
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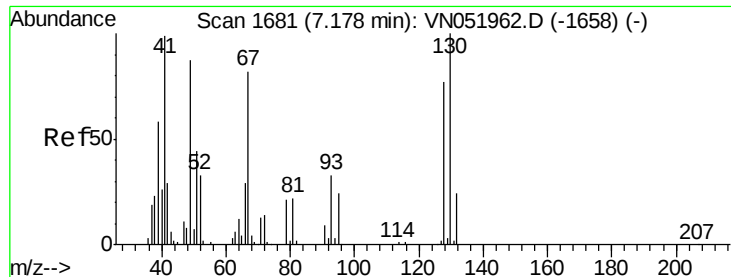
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#40
Benzene
Concen: 51.241 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





#41

Methacrylonitrile

Concen: 49.335 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 134542

Ion Ratio Lower Upper

41 100

39 66.4 53.1 79.7

67 117.2 93.8 140.6

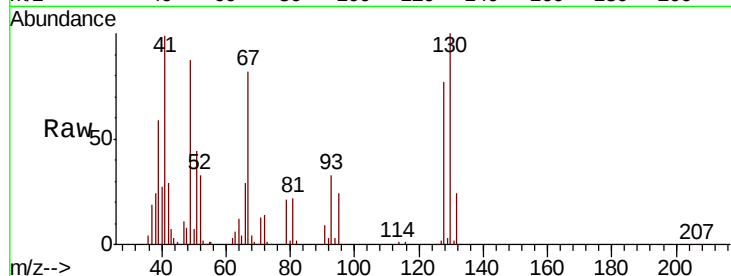
52 44.0 35.2 52.8

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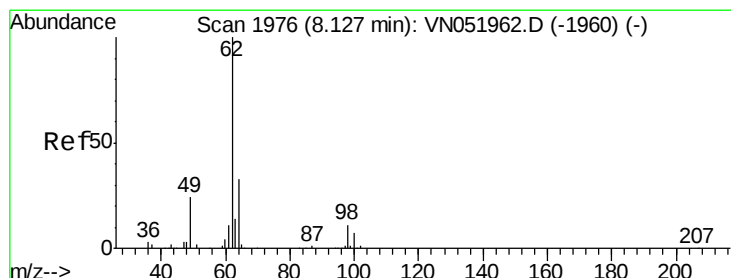
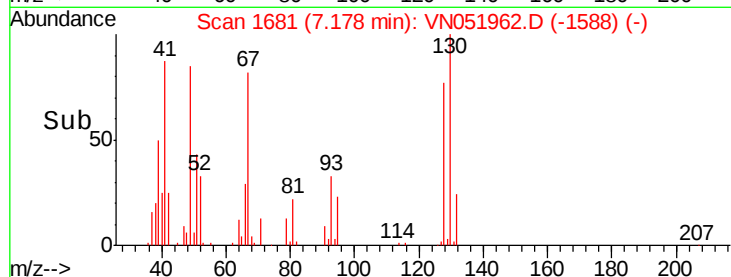
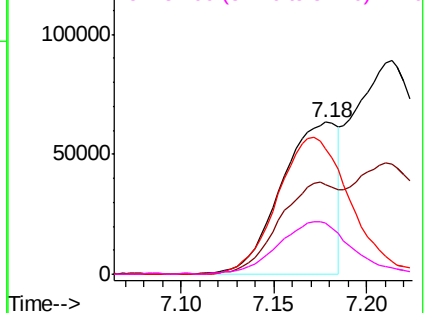


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 50.513 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051962.D

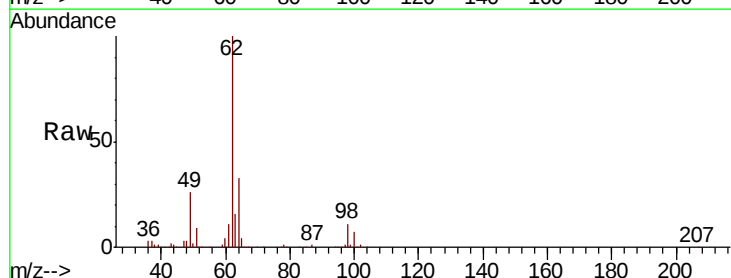
Acq: 23 Oct 2018 14:00

Tgt Ion: 62 Resp: 583589

Ion Ratio Lower Upper

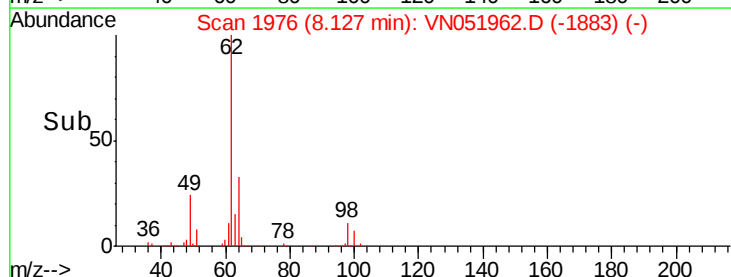
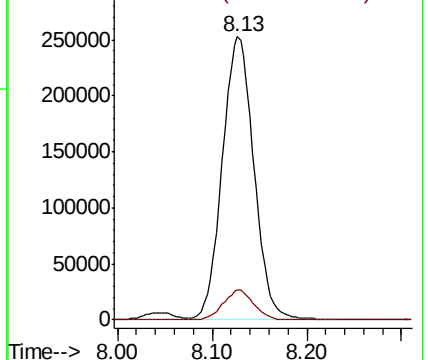
62 100

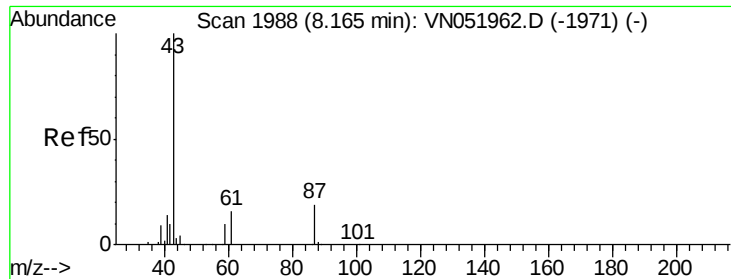
98 10.3 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





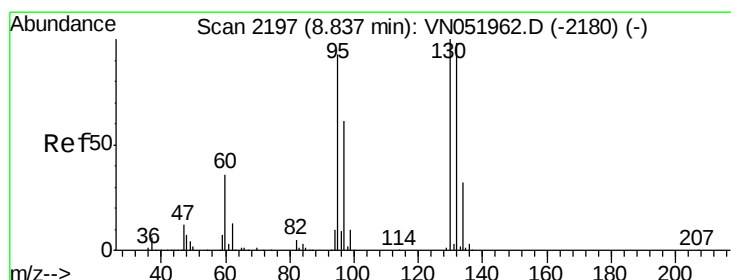
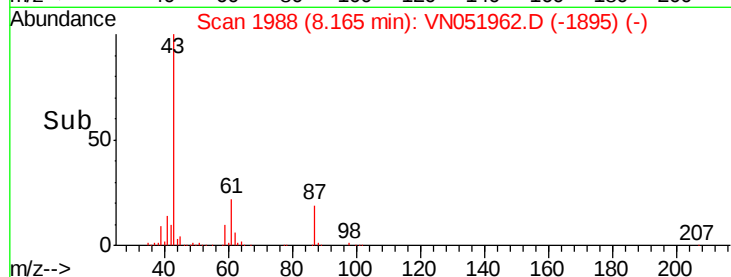
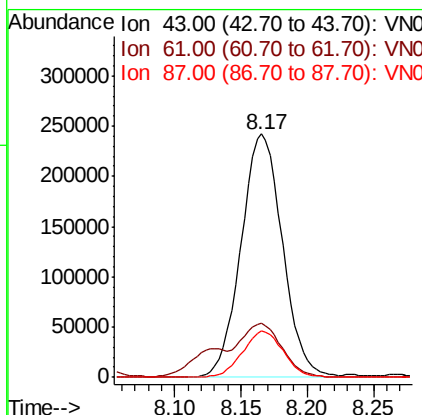
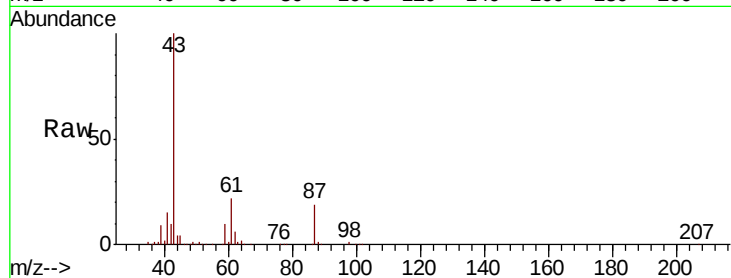
#43
Isopropyl Acetate
Concen: 51.653 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.2	25.8
87	19.0	15.2	22.8

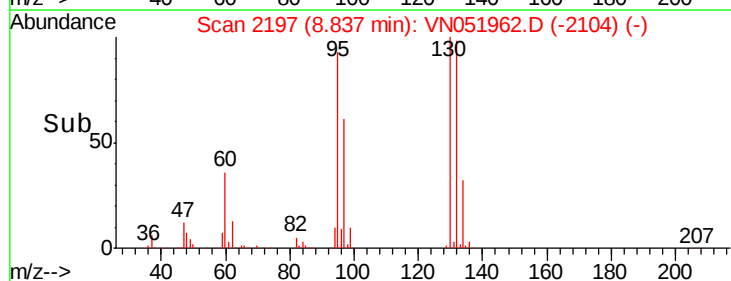
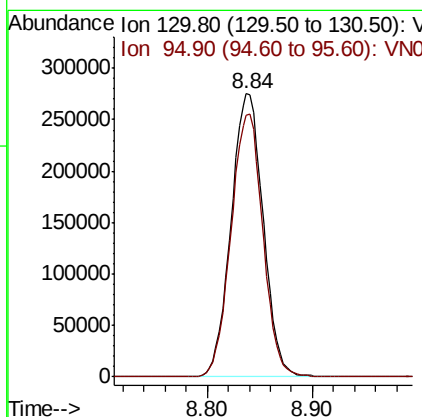
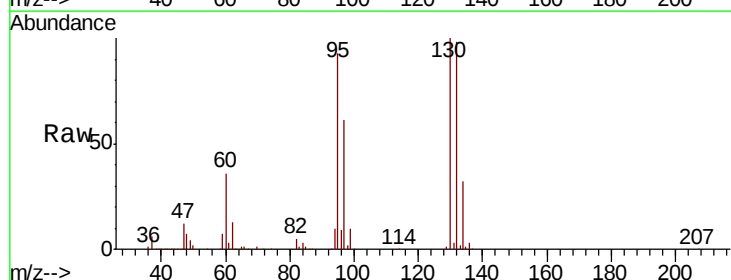
Manual Integrations
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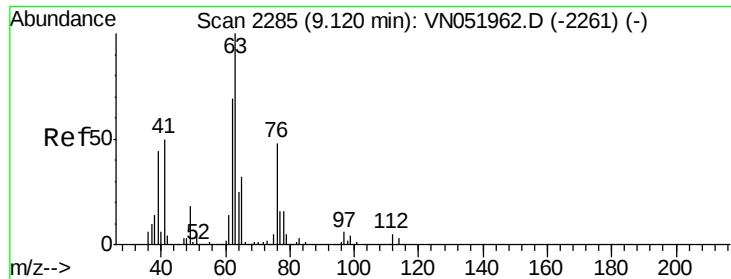
MMDadoda
10/24/2018 10:09:21 AM



#44
Trichloroethene
Concen: 50.204 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	185.2





#45

1,2-Dichloropropane

Concen: 51.535 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 420070

Ion Ratio Lower Upper

63 100

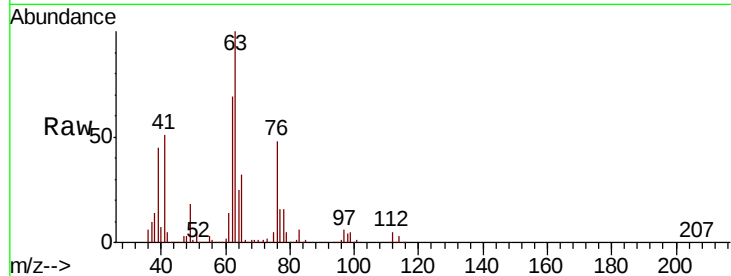
65 32.2 25.8 38.6

Manual Integrations

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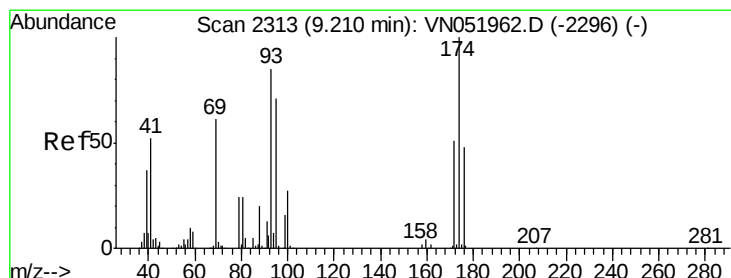
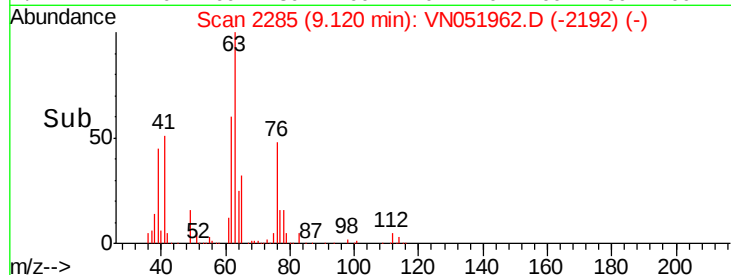
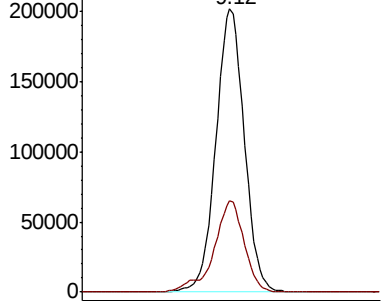
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.024 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

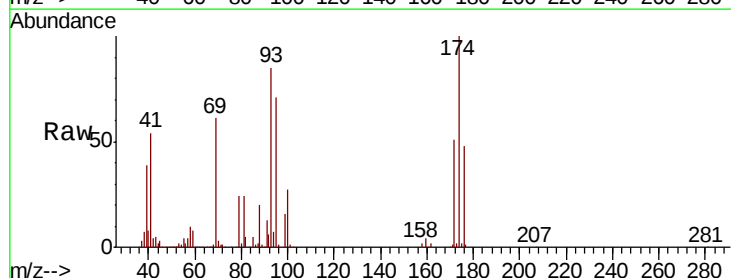
Tgt Ion: 93 Resp: 335265

Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

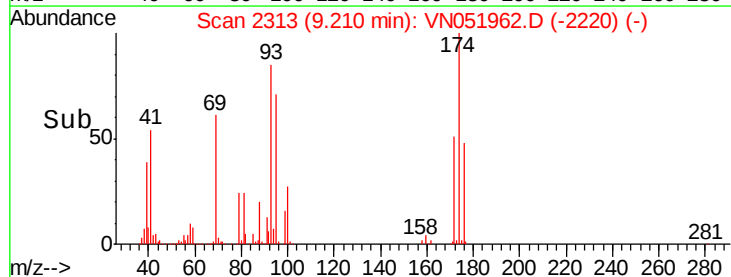
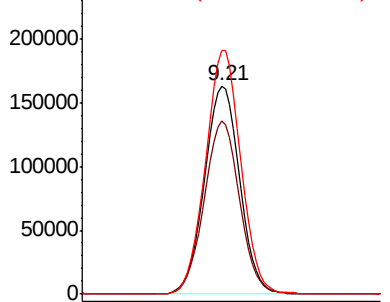
174 117.2 93.8 140.6

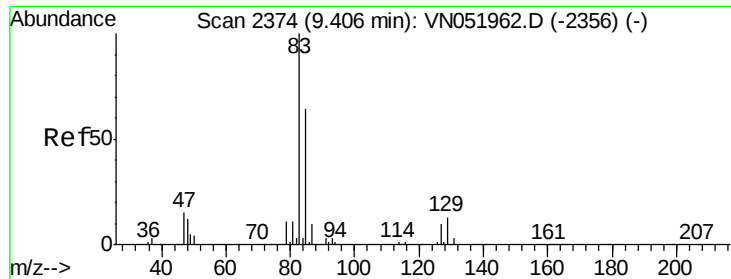


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.246 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

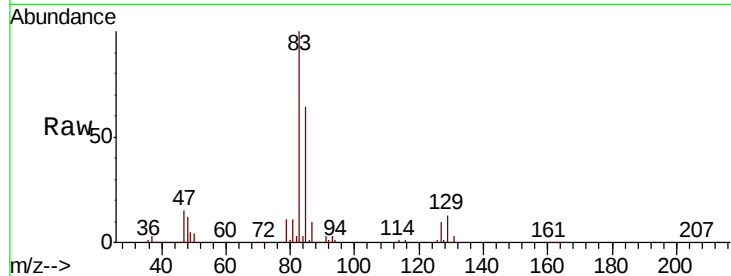
ClientSampleId :

VSTDICCC050

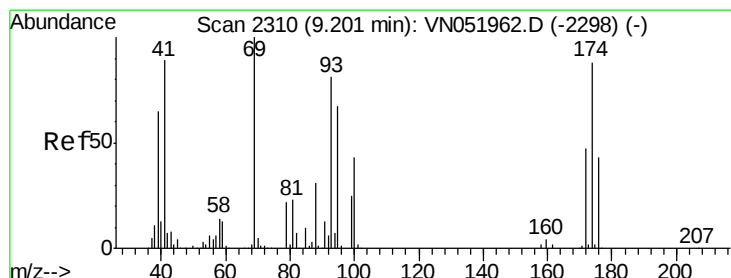
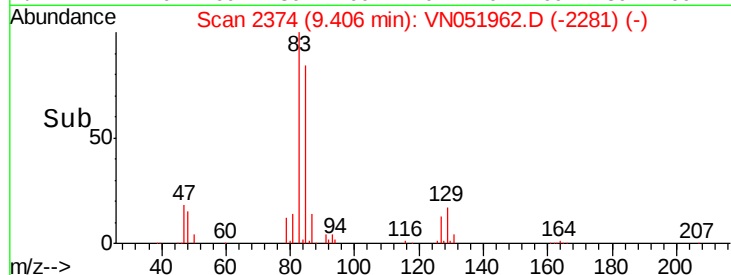
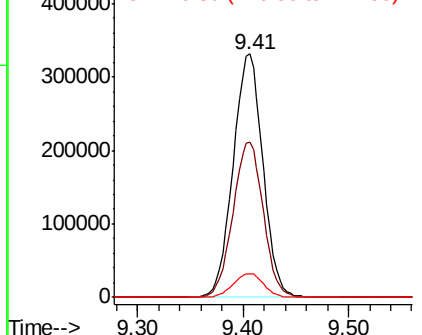
Tot Ion:	83	Resp:	648344
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4
127	9.8	7.8	11.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 51.350 ug/l

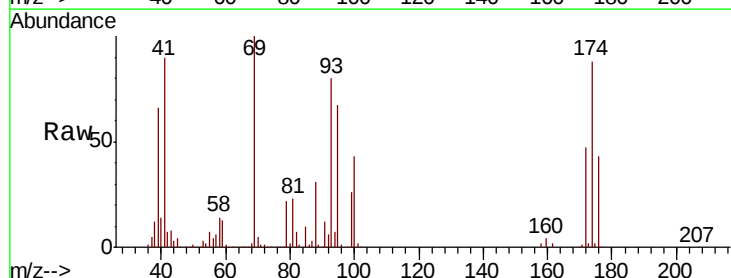
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

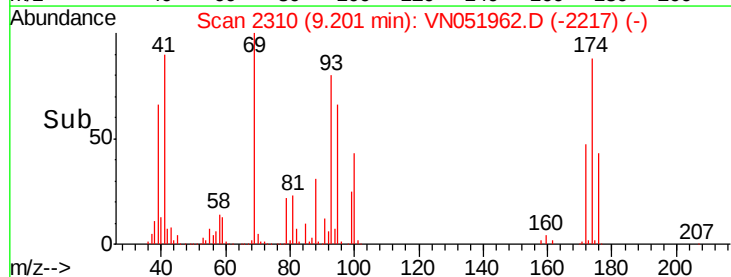
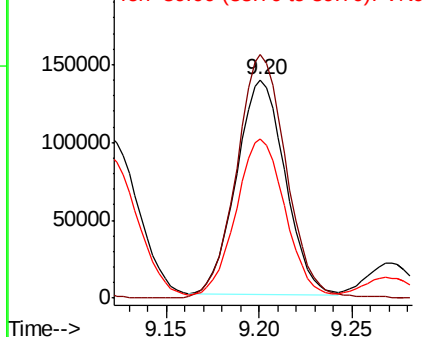
Lab File: VN051962.D

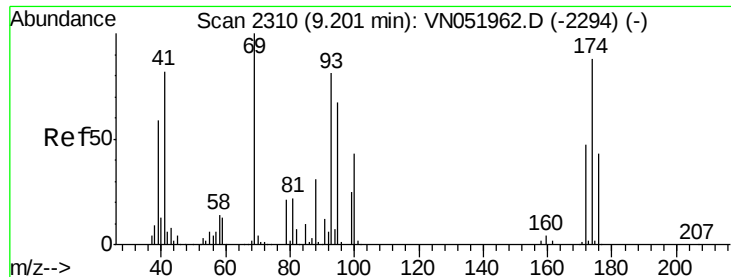
Acq: 23 Oct 2018 14:00

Tgt Ion:	41	Resp:	252259
Ion	Ratio	Lower	Upper
41	100		
69	115.3	92.2	138.4
39	75.3	60.2	90.4



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





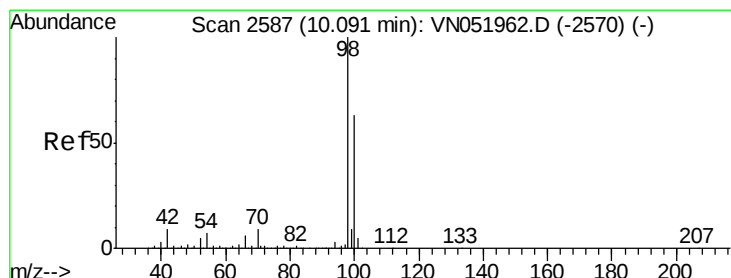
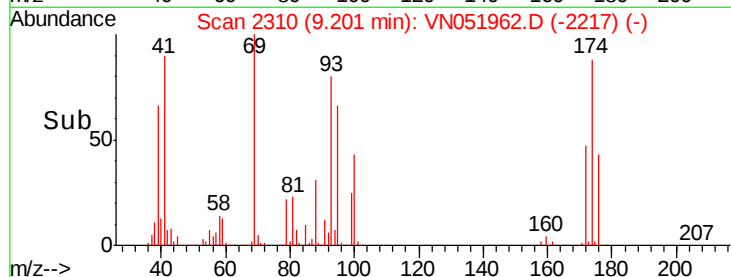
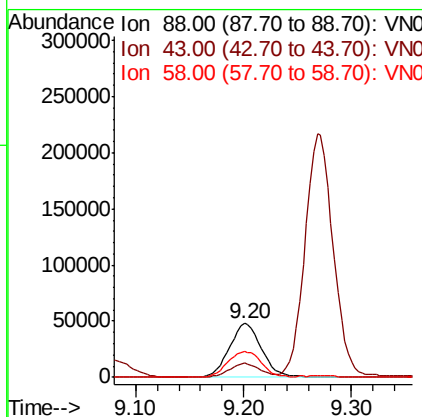
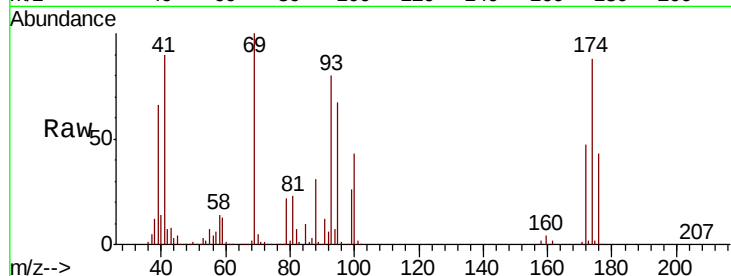
#49
1,4-Dioxane
Concen: 1115.202 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.5	18.8	28.2
58	49.7	39.8	59.6

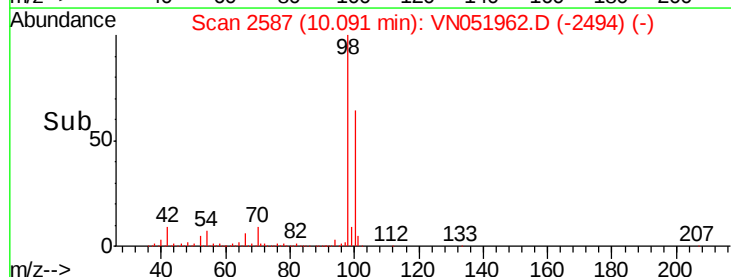
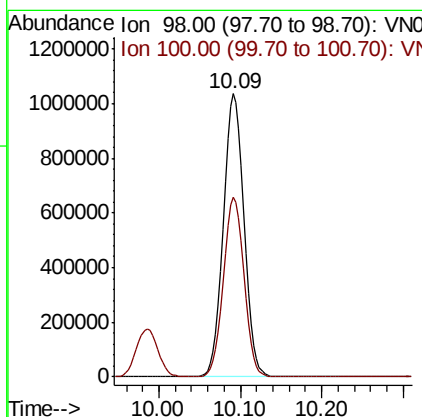
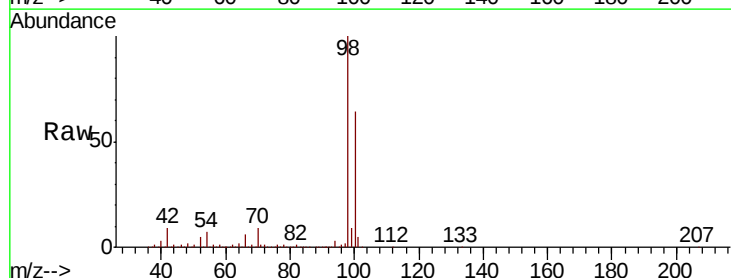
Manual Integrations
APPROVED

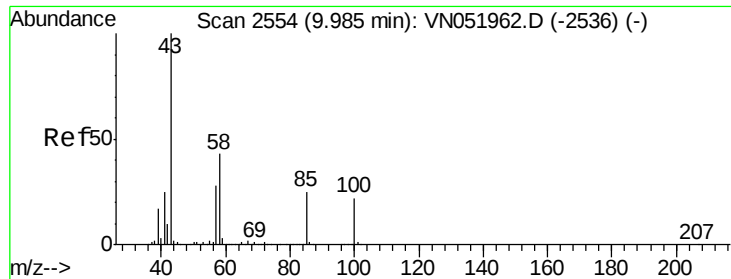
MMDadoda
10/24/2018 10:09:21 AM



#50
Toluene-d8
Concen: 1115.202 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.7	76.1





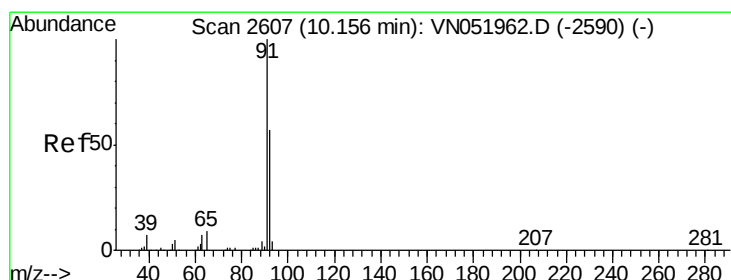
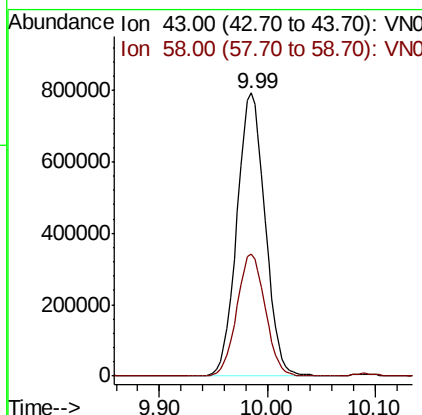
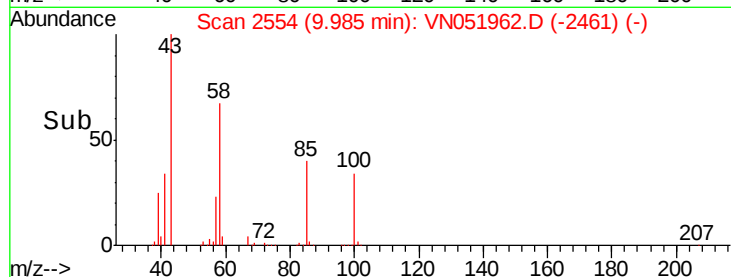
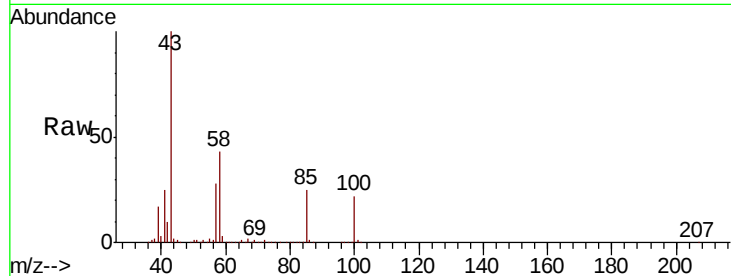
#51
4-Methyl-2-Pentanone
Concen: 257.966 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1442184
Ion Ratio Lower Upper
43 100
58 43.5 34.8 52.2

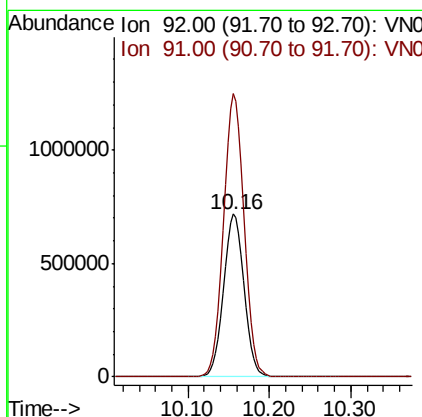
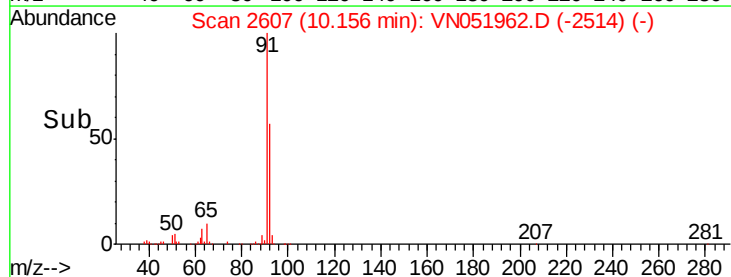
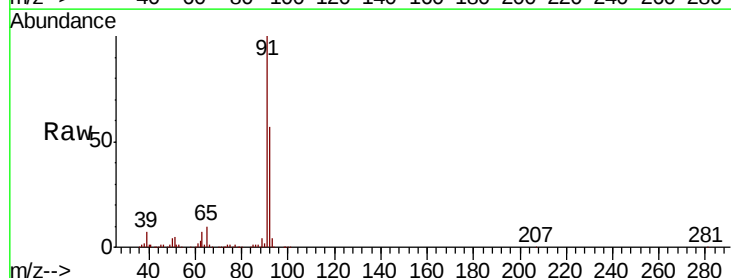
Manual Integrations
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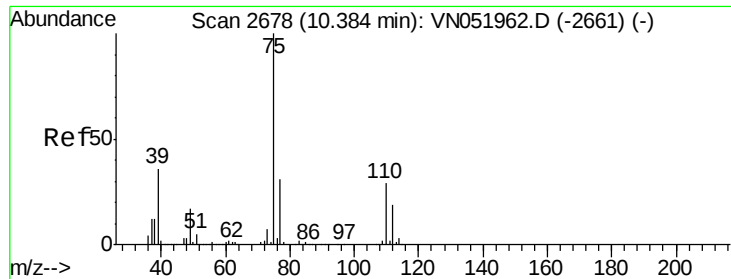
MMDadoda
10/24/2018 10:09:21 AM



#52
Toluene
Concen: 52.366 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 92 Resp: 1279543
Ion Ratio Lower Upper
92 100
91 174.7 139.8 209.6





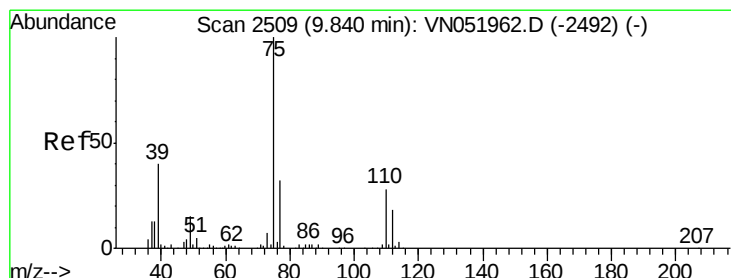
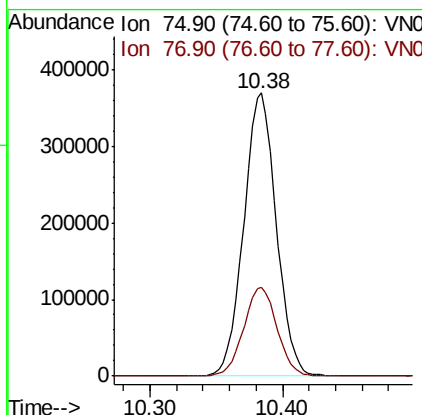
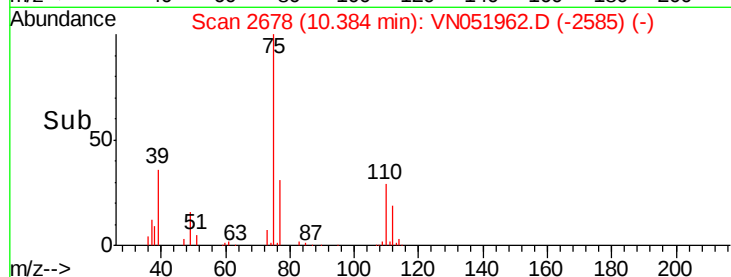
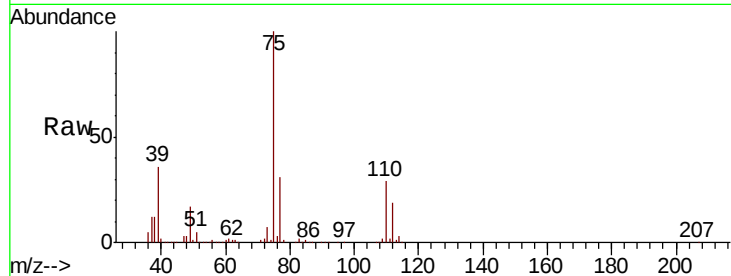
#53
t-1,3-Dichloropropene
Concen: 55.252 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4

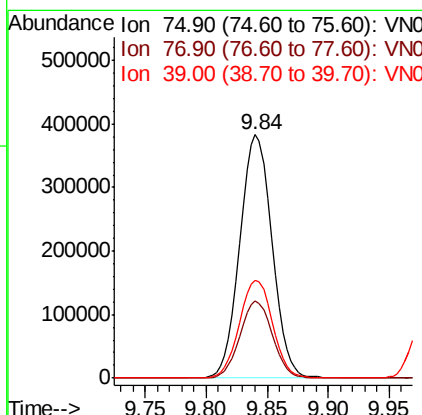
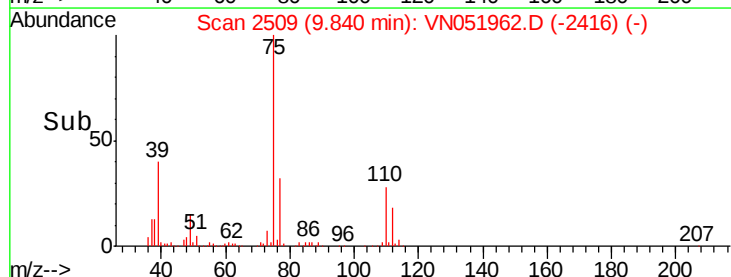
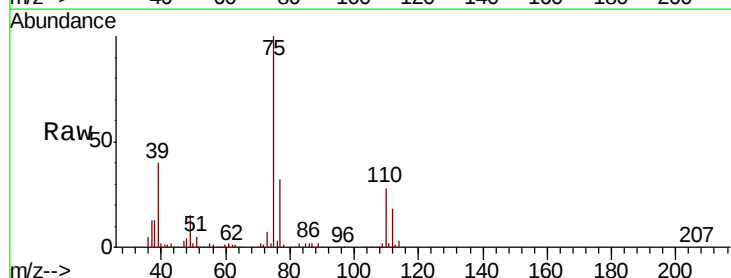
Manual Integrations
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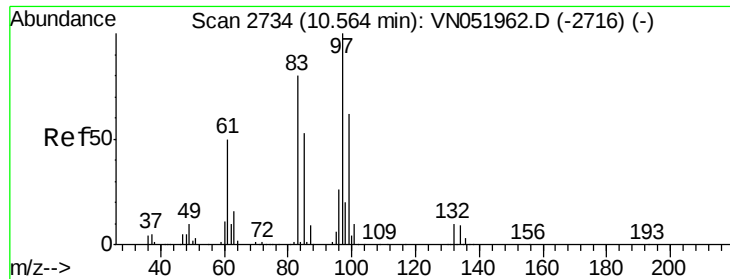
MMDadoda
10/24/2018 10:09:21 AM



#54
cis-1,3-Dichloropropene
Concen: 53.913 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	40.0	32.0	48.0





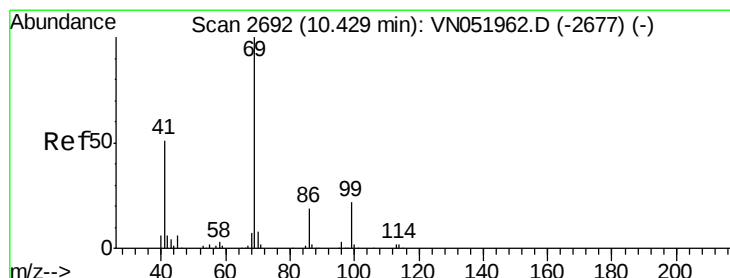
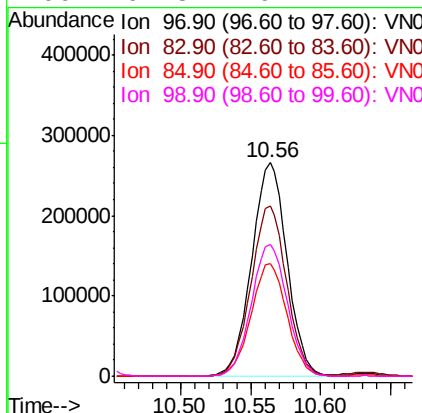
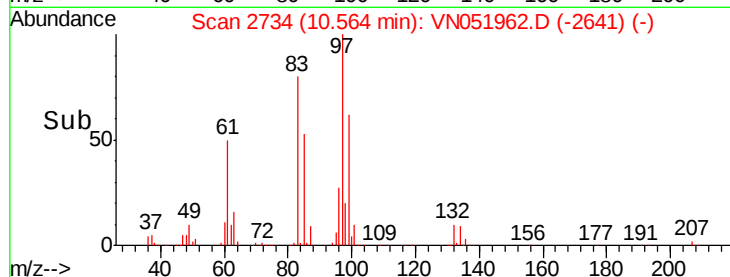
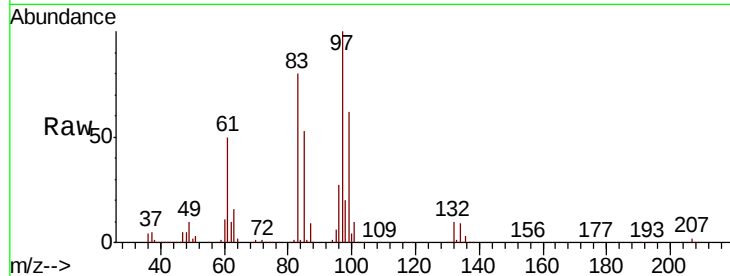
#55
 1,1,2-Trichloroethane
 Concen: 51.596 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	465807
Ion	Ratio	Lower	Upper
97	100		
83	80.0	64.0	96.0
85	53.0	42.4	63.6
99	61.8	49.4	74.2

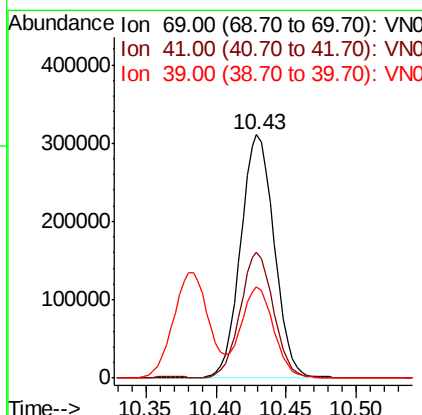
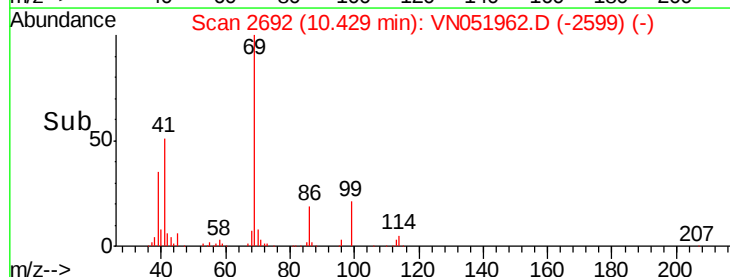
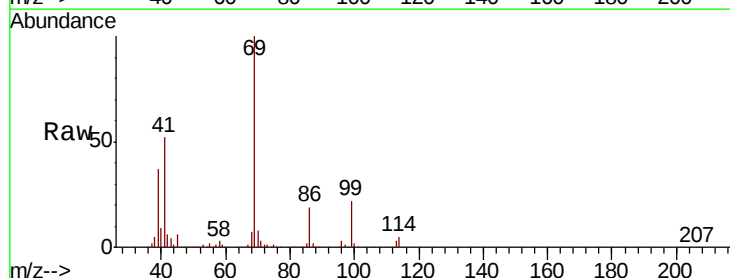
Manual Integrations
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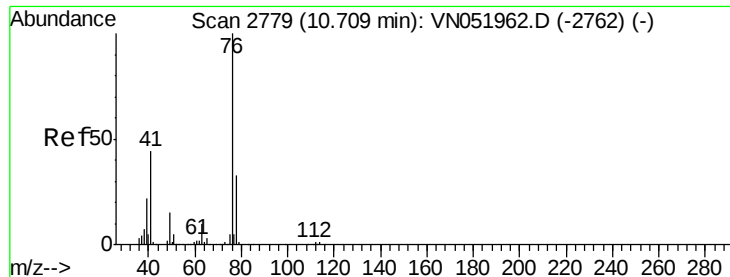
MMDadoda
 10/24/2018 10:09:21 AM



#56
 Ethyl methacrylate
 Concen: 53.542 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion:	69	Resp:	519597
Ion	Ratio	Lower	Upper
69	100		
41	50.9	40.7	61.1
39	36.6	29.3	43.9





#57

1,3-Dichloropropane

Concen: 50.921 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 697904

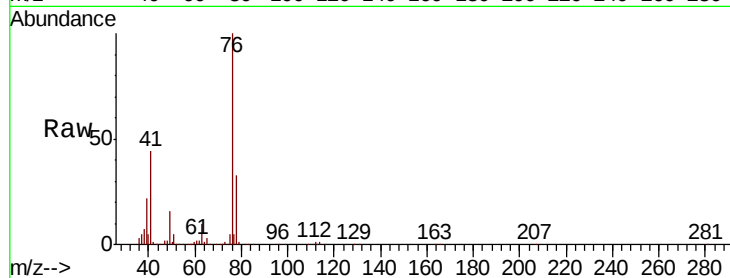
Ion Ratio Lower Upper

76 100

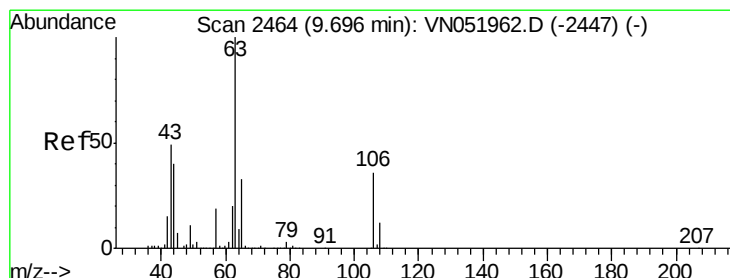
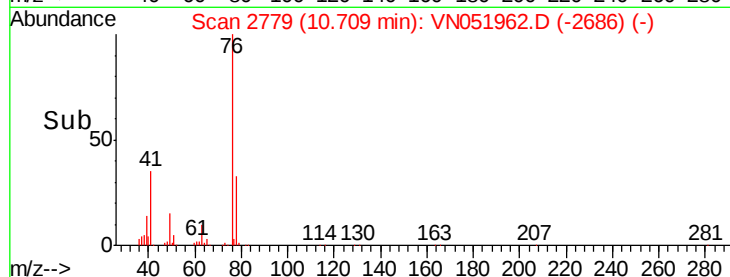
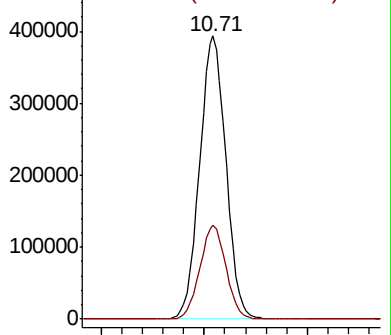
78 33.0 26.4 39.6

Manual Integrations
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MMDadoda
10/24/2018 10:09:21 AM



Abundance Ion 75.90 (75.60 to 76.60): VN051962.D (-2762) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 263.740 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051962.D

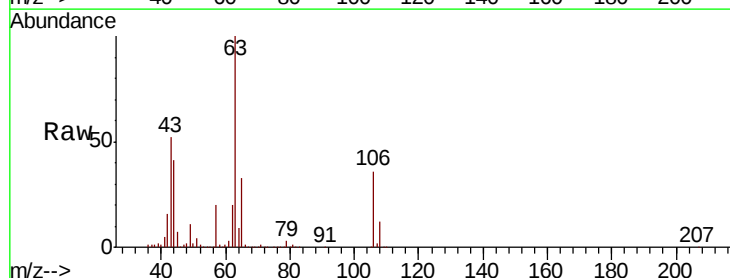
Acq: 23 Oct 2018 14:00

Tgt Ion: 63 Resp: 1339215

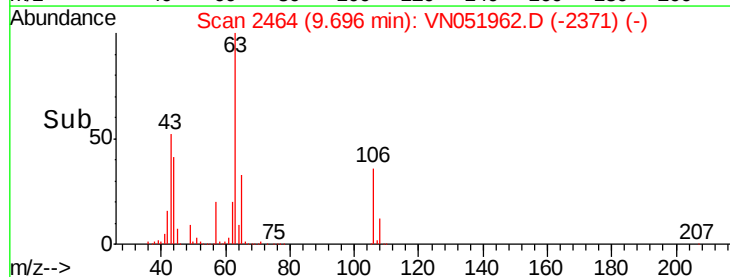
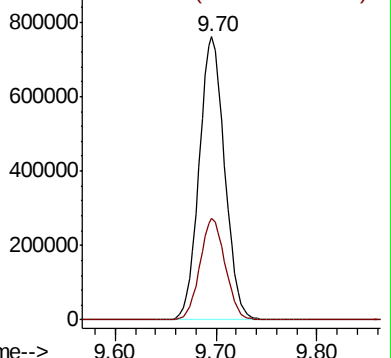
Ion Ratio Lower Upper

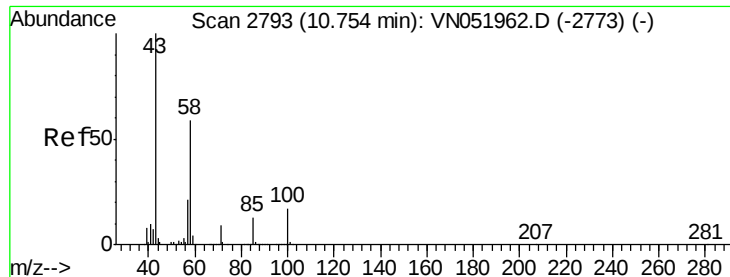
63 100

106 35.4 28.3 42.5



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-2447) (-)





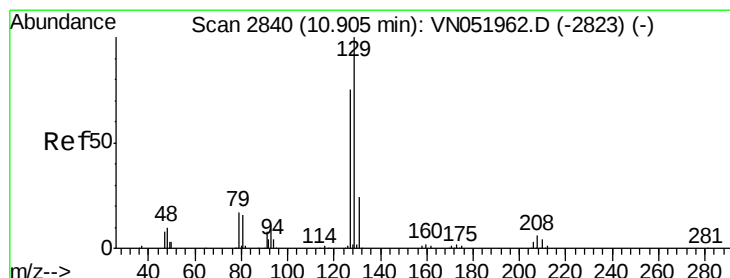
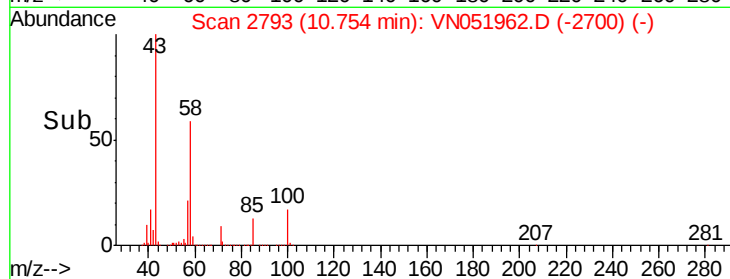
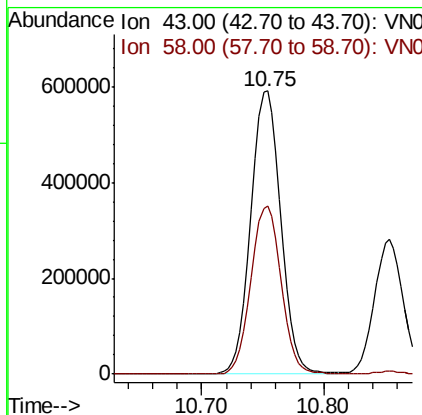
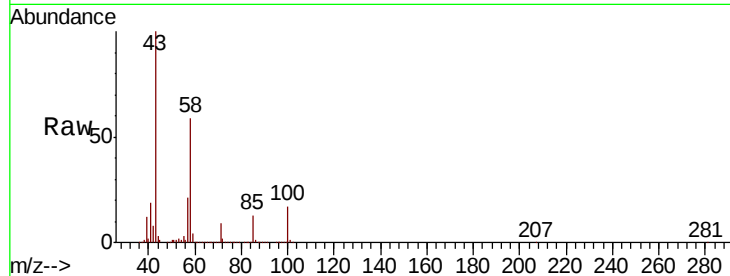
#59
2-Hexanone
Concen: 265.680 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	997972
Ion Ratio	100	Lower	Upper
43	100		
58	59.9	29.9	89.8

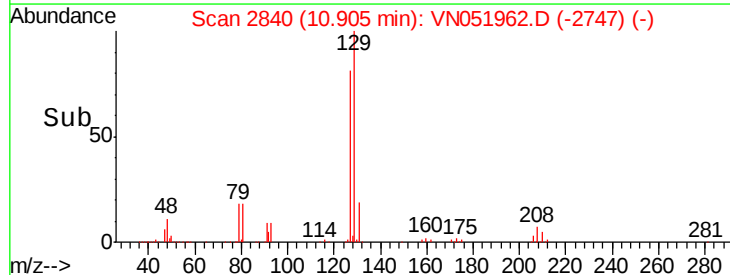
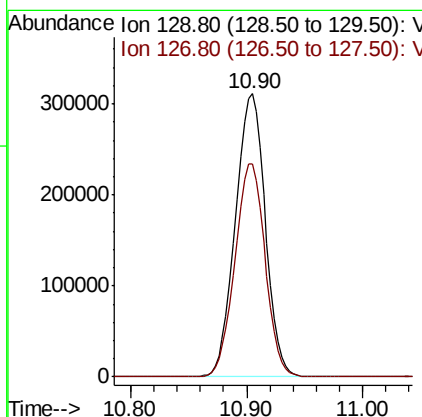
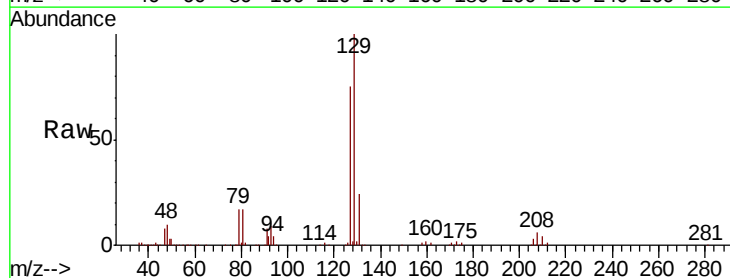
Manual Integrations
APPROVED

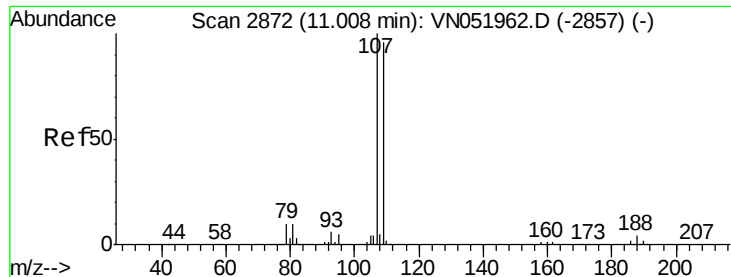
MMDadoda
10/24/2018 10:09:21 AM



#60
Dibromochloromethane
Concen: 54.898 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	129	Resp	555416
Ion Ratio	100	Lower	Upper
129	100		
127	76.0	38.0	114.0





#61

1,2-Dibromoethane

Concen: 53.134 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 505779

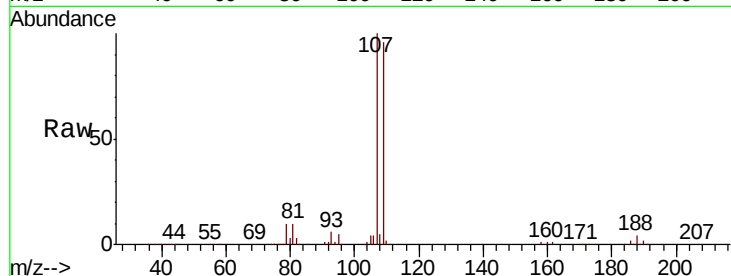
Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9

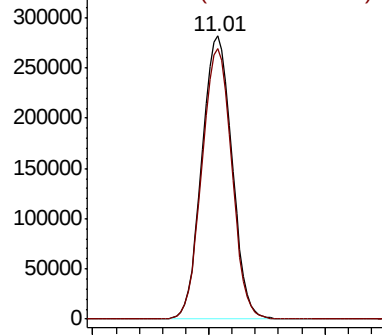
Manual Integrations
APPROVED

MMDadoda
10/24/2018 10:09:21 AM

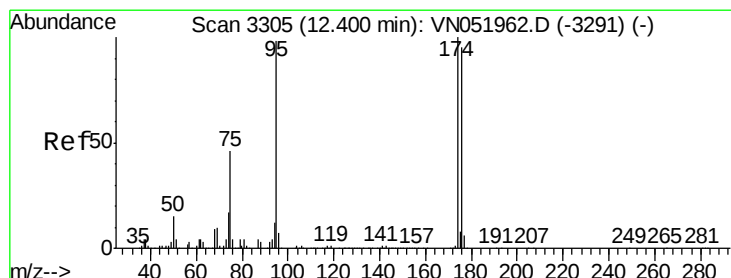
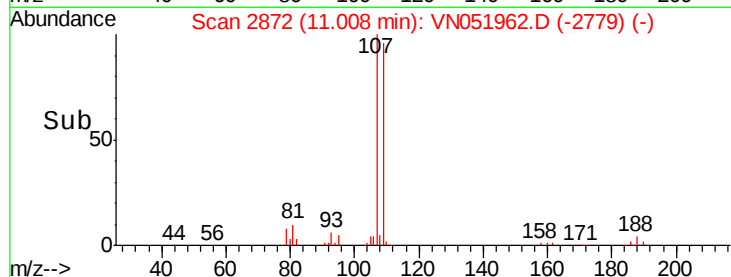


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 53.134 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

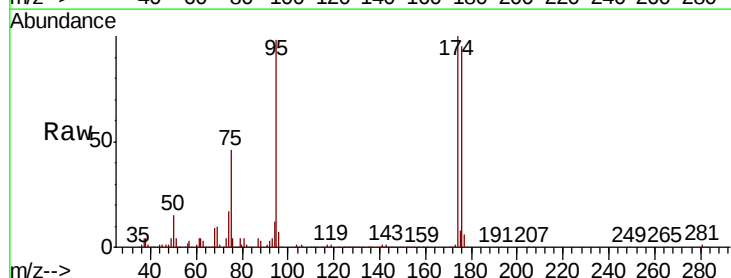
Tgt Ion: 95 Resp: 653210

Ion Ratio Lower Upper

95 100

174 103.0 0.0 206.0

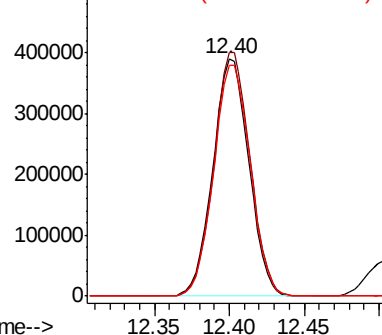
176 99.0 0.0 198.0



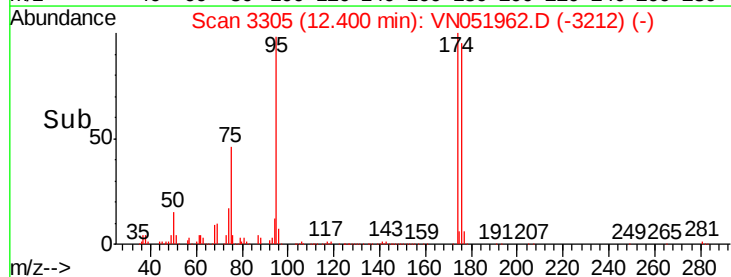
Abundance Ion 94.90 (94.60 to 95.60): V

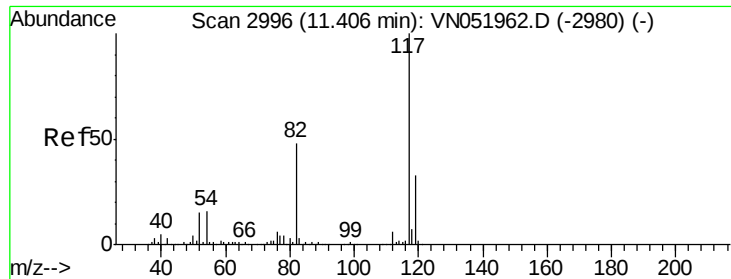
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.35 12.40 12.45





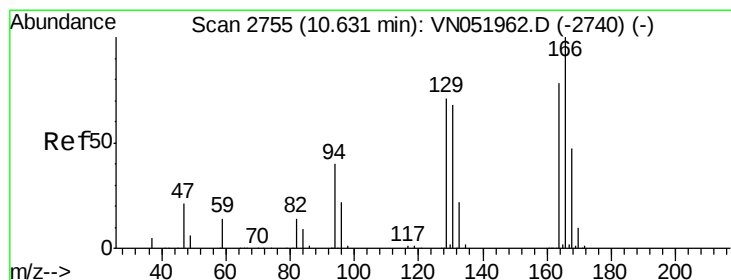
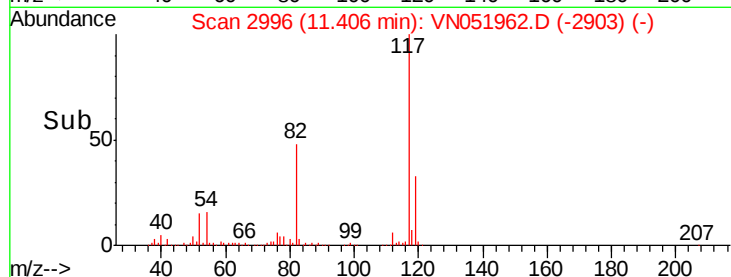
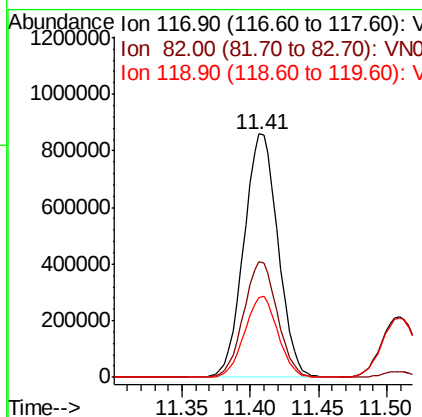
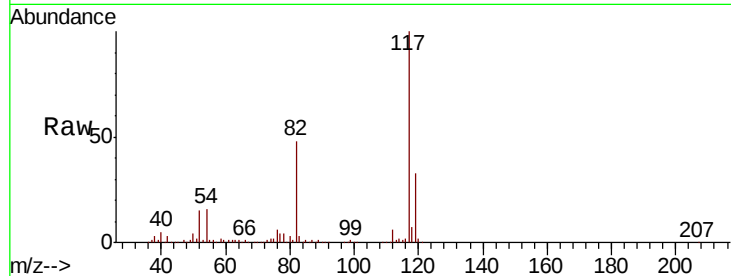
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.6	38.1	57.1
119	33.0	26.4	39.6

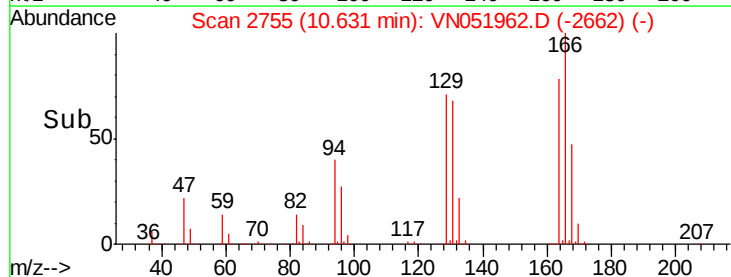
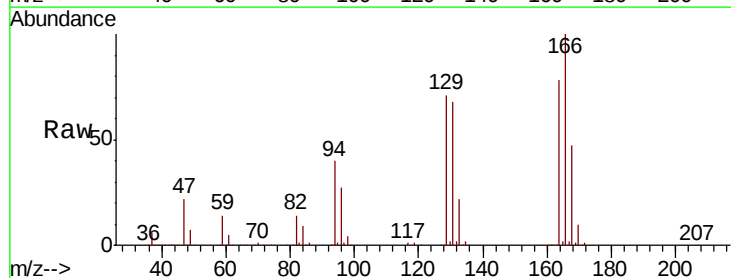
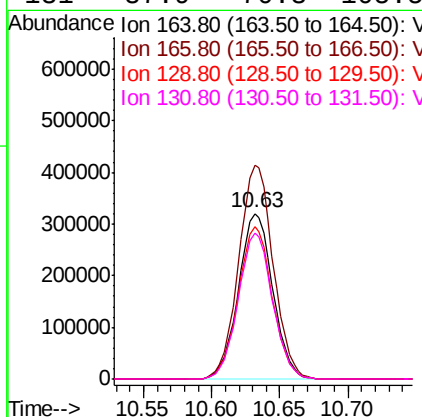
Manual Integrations
APPROVED

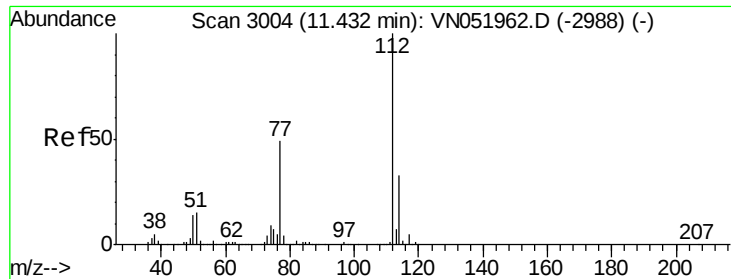
MMDadoda
10/24/2018 10:09:21 AM



#64
Tetrachloroethene
Concen: 48.763 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.1	154.7
129	92.0	73.6	110.4
131	87.9	70.3	105.5





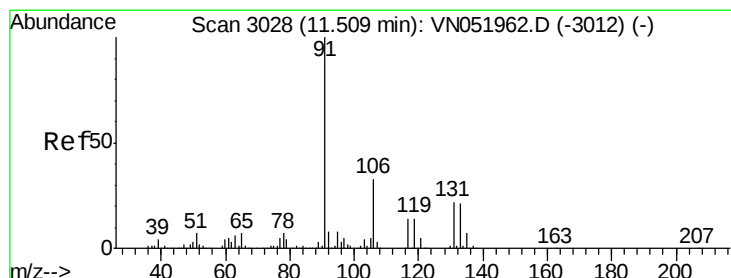
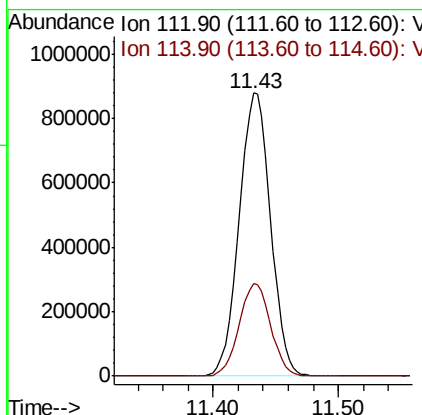
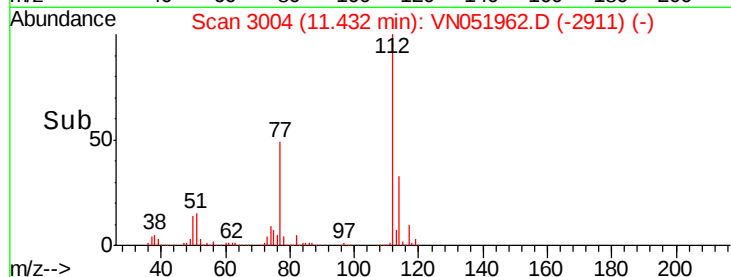
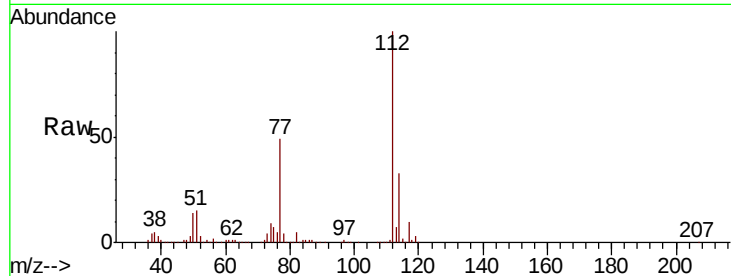
#65
Chlorobenzene
Concen: 50.764 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1529264
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1

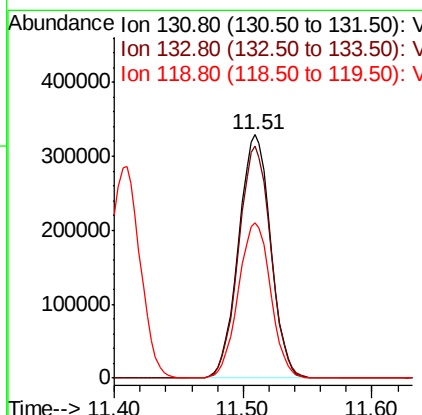
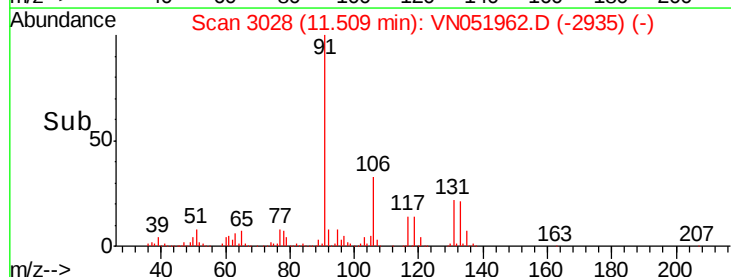
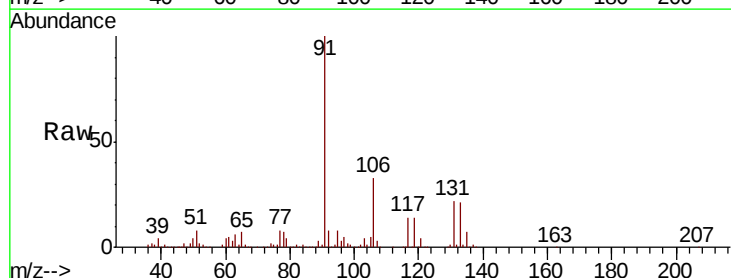
Manual Integrations
APPROVED

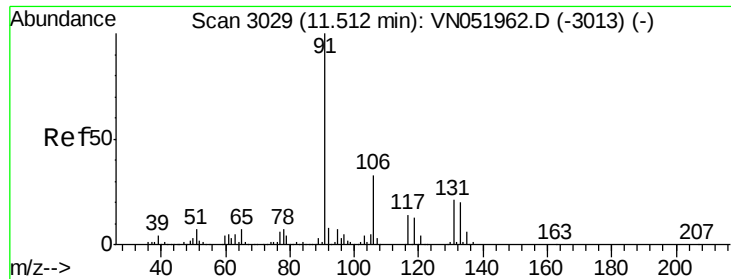
MMDadoda
10/24/2018 10:09:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.775 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion:131 Resp: 571451
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 64.1 32.0 96.2





#67

Ethyl Benzene

Concen: 51.554 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 2496448

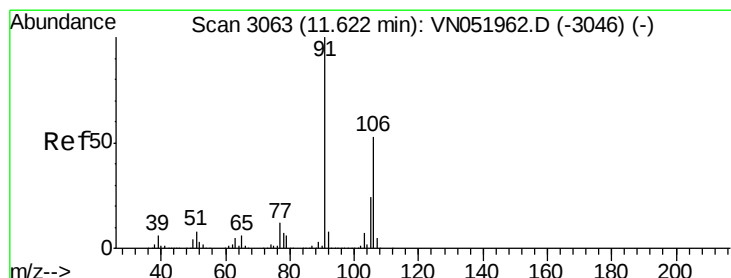
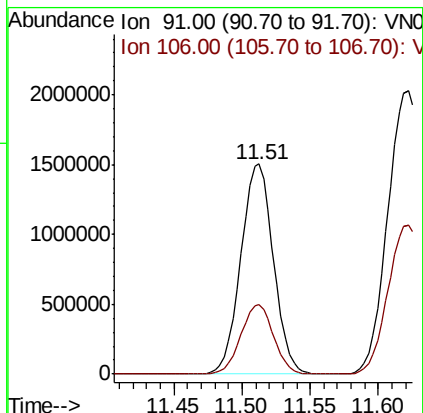
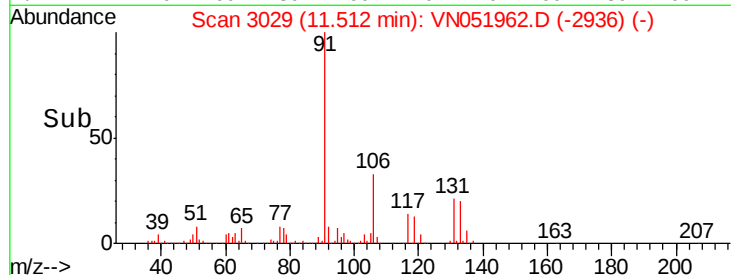
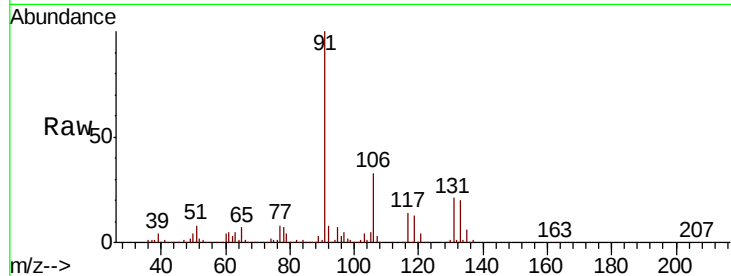
Ion Ratio Lower Upper

91 100

106 33.0 26.4 39.6

Manual Integrations
APPROVED

MMDadoda
10/24/2018 10:09:21 AM



#68

m/p-Xylenes

Concen: 106.223 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051962.D

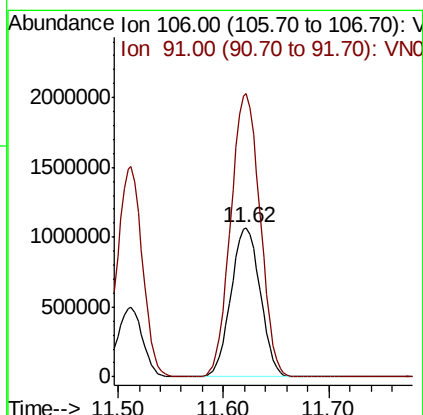
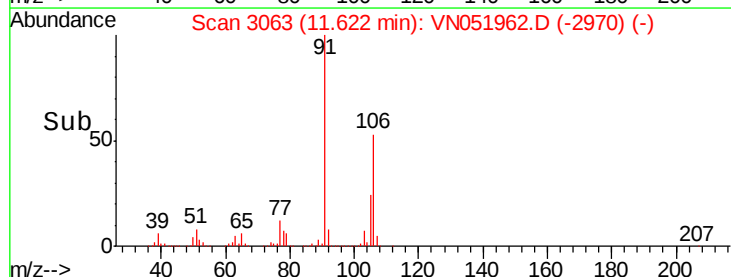
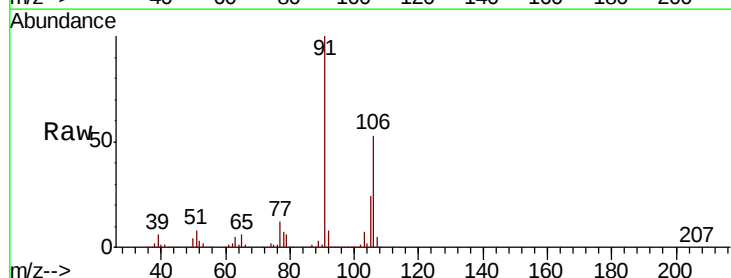
Acq: 23 Oct 2018 14:00

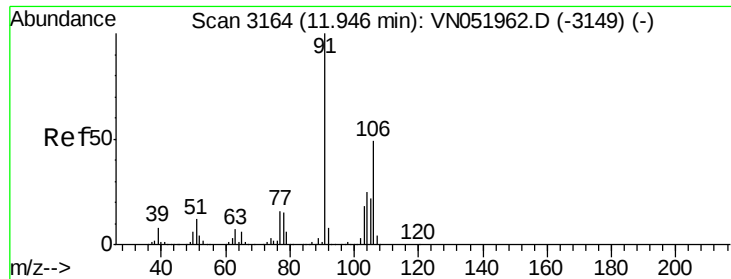
Tgt Ion: 106 Resp: 2055143

Ion Ratio Lower Upper

106 100

91 190.2 152.2 228.2





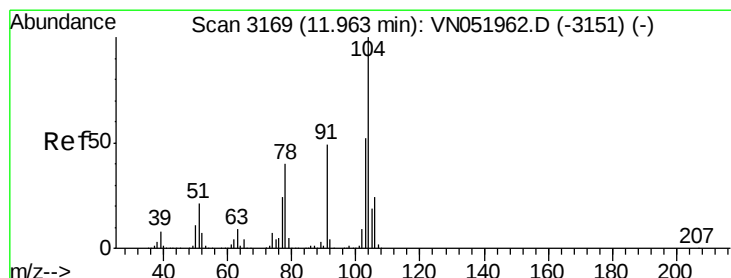
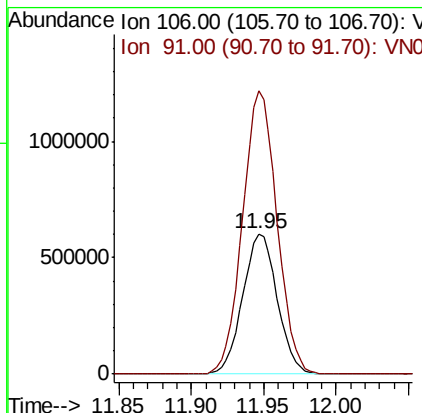
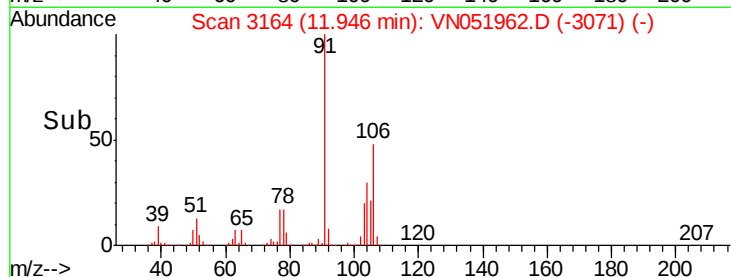
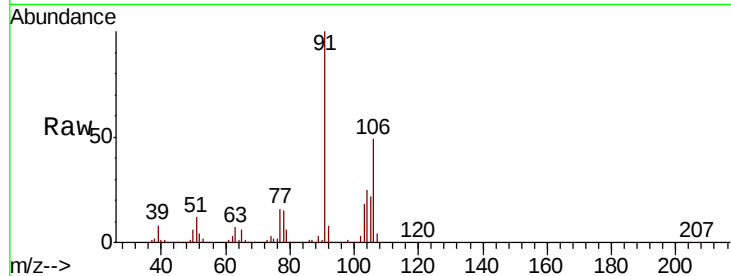
#69
o-Xylene
Concen: 52.861 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 994644
Ion Ratio Lower Upper
106 100
91 202.0 101.0 303.0

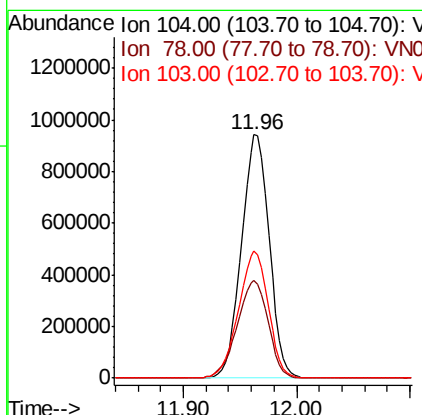
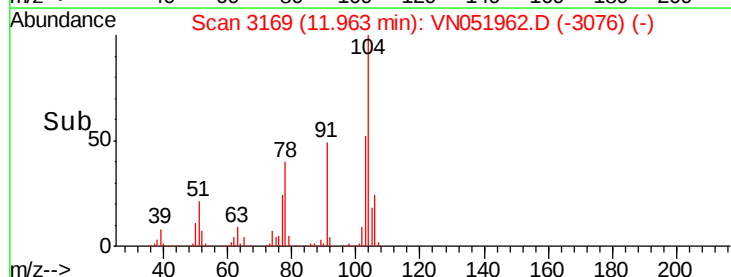
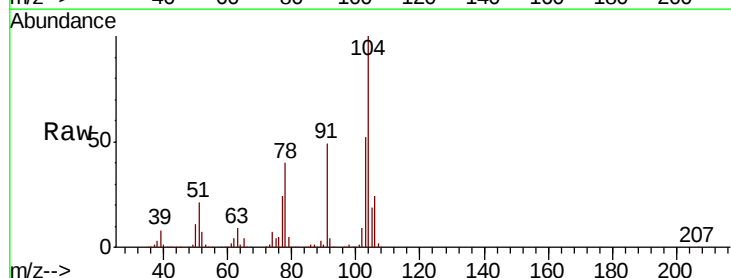
Manual Integrations
APPROVED

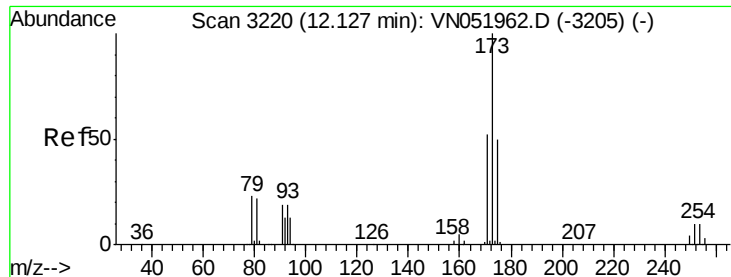
MMDadoda
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#70
Styrene
Concen: 53.661 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion:104 Resp: 1613808
Ion Ratio Lower Upper
104 100
78 44.7 35.8 53.6
103 56.1 44.9 67.3





#71

Bromoform

Concen: 54.831 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

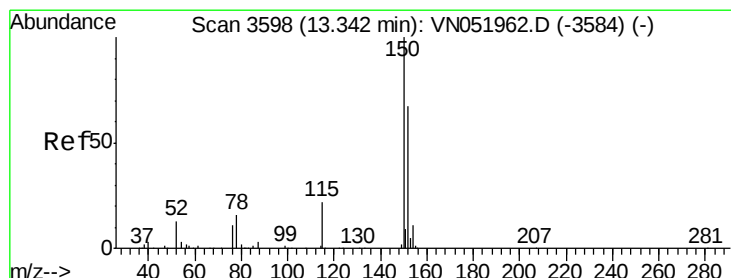
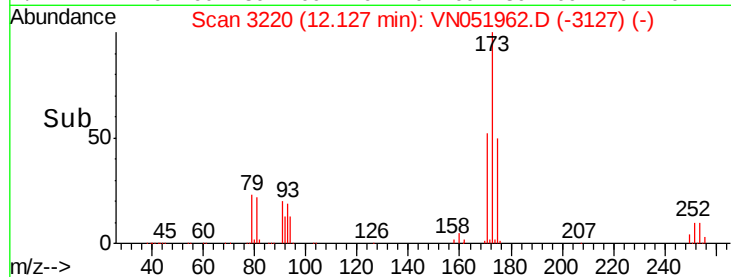
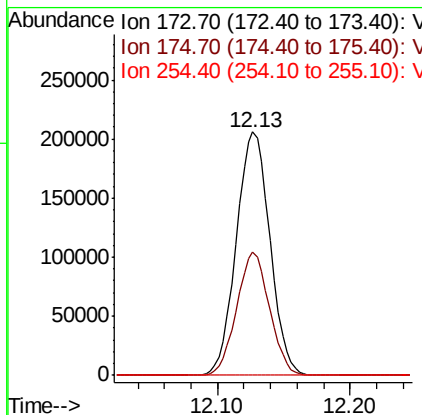
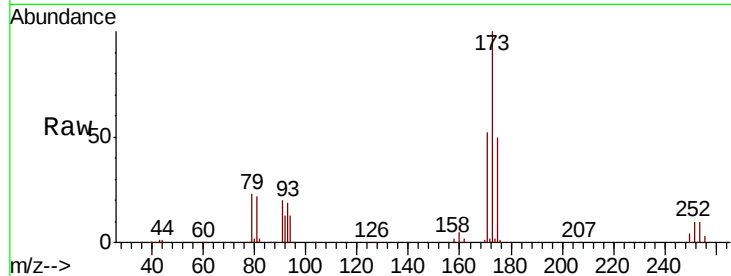
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.1	0.1	0.1#

Manual Integrations
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MMDadoda
10/24/2018 10:09:21 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

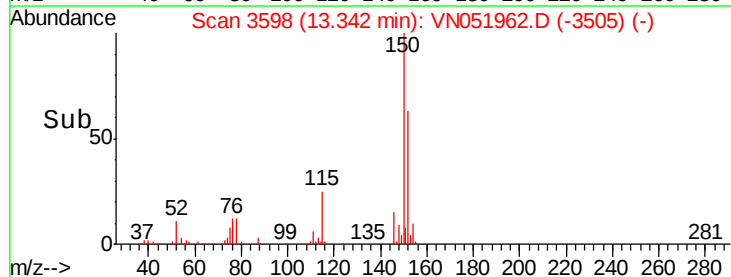
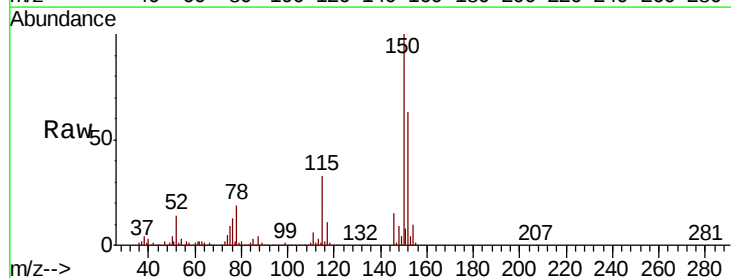
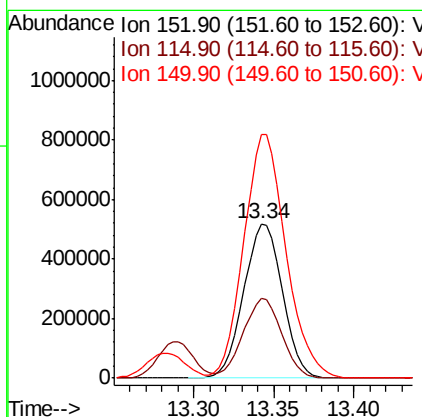
RT: 13.34 min Scan# 3598

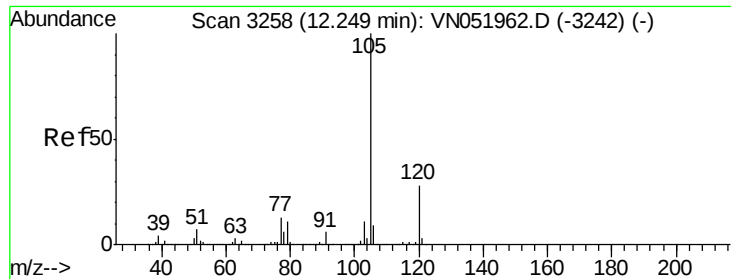
Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.5	25.8	77.3
150	172.2	0.0	344.4





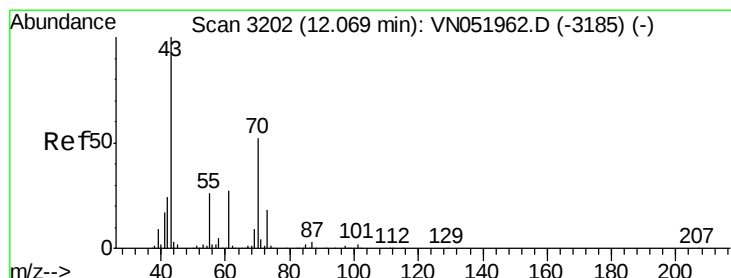
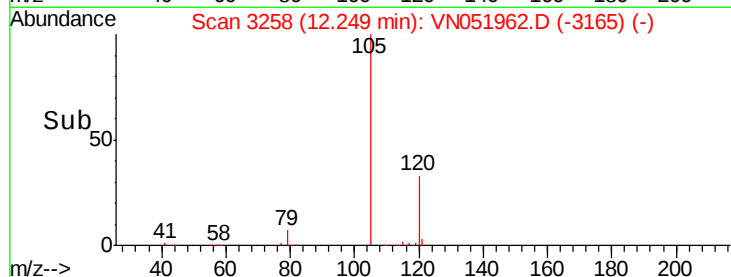
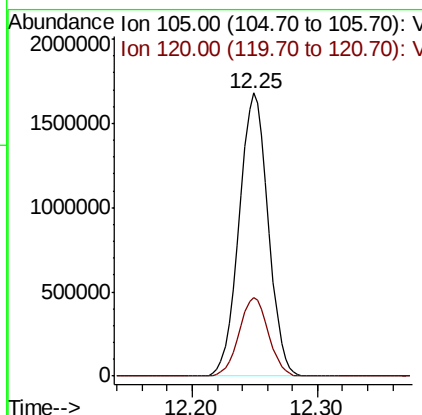
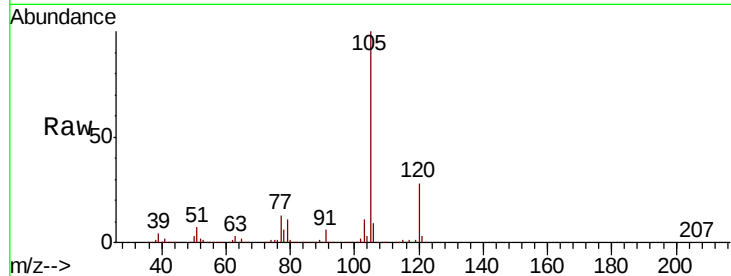
#73
Isopropylbenzene
Concen: 49.722 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 105 Resp: 2698452
Ion Ratio Lower Upper
105 100
120 27.9 14.0 41.9

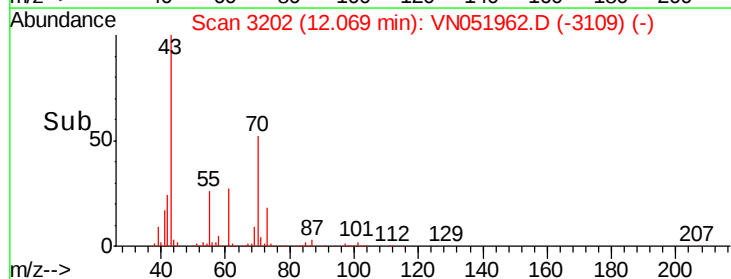
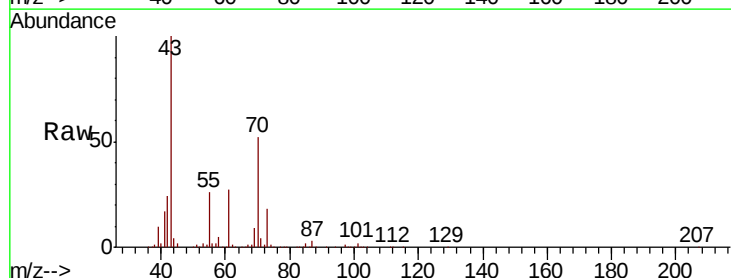
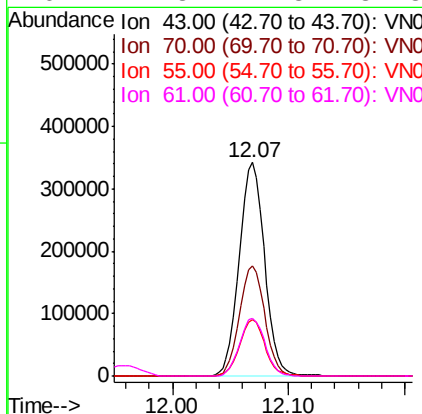
Manual Integrations
APPROVED

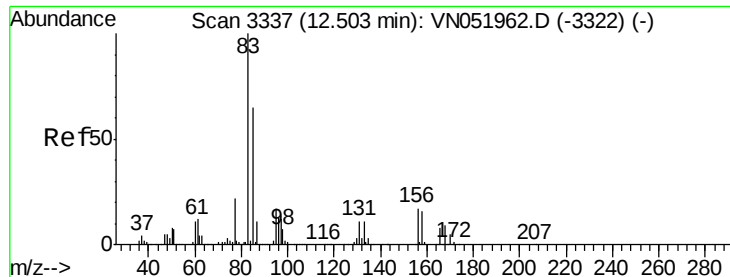
MMDadoda
10/24/2018 10:09:21 AM



#74
N-ethyl acetate
Concen: 48.496 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion: 43 Resp: 518040
Ion Ratio Lower Upper
43 100
70 51.6 41.3 61.9
55 26.5 21.2 31.8
61 27.3 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.800 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 547228

Ion Ratio Lower Upper

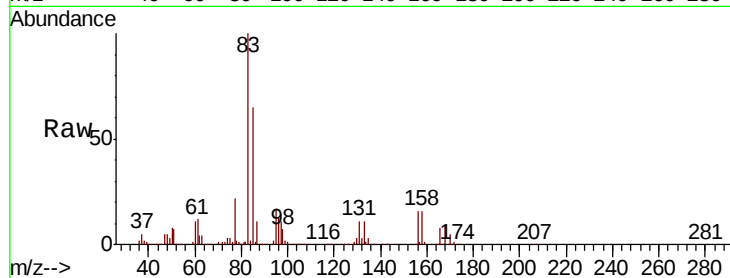
83 100

131 12.4 6.2 18.6

85 65.4 32.7 98.1

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Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051962.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-3322) (-)

12.50

400000

300000

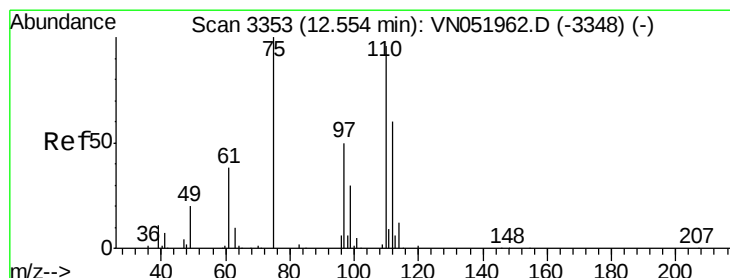
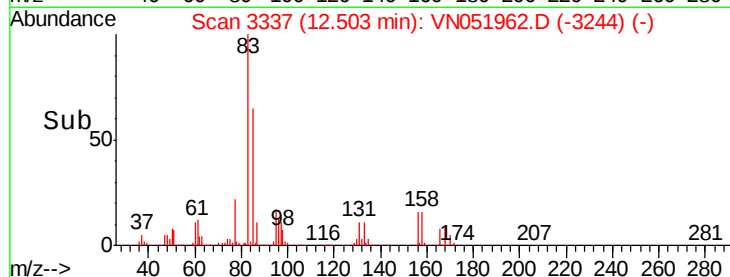
200000

100000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 49.483 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051962.D

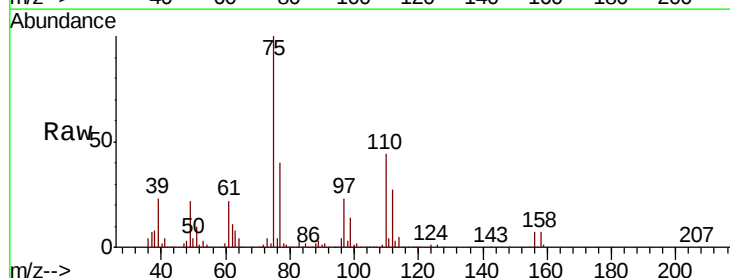
Acq: 23 Oct 2018 14:00

Tgt Ion: 75 Resp: 431231

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3353) (-)

600000

500000

400000

300000

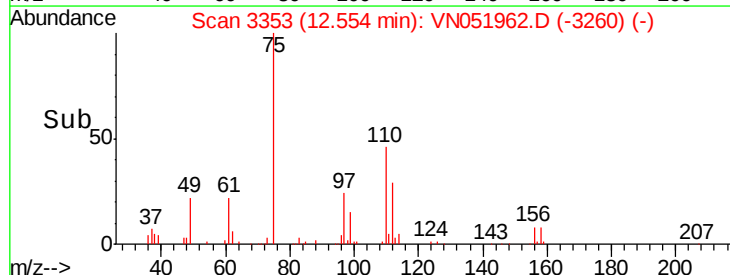
200000

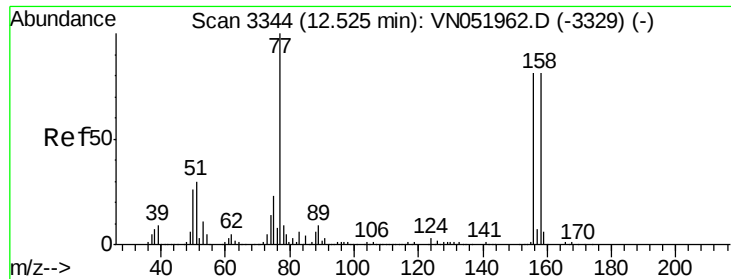
100000

0

12.55

Time-->





#77

Bromobenzene

Concen: 49.271 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

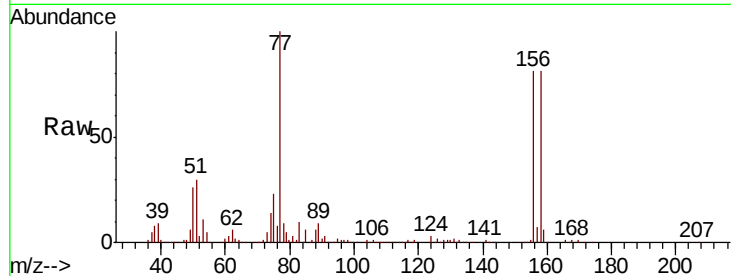
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	737966
Ion Ratio	Lower	Upper	
156	100		
77	142.2	71.1	213.3
158	98.5	49.3	147.8

Manual Integrations
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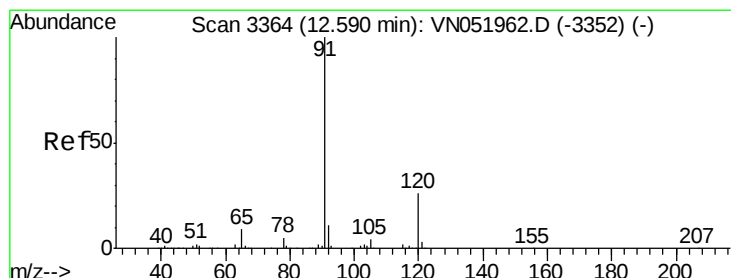
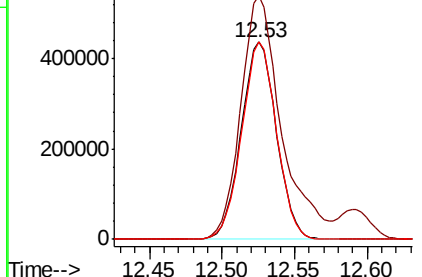
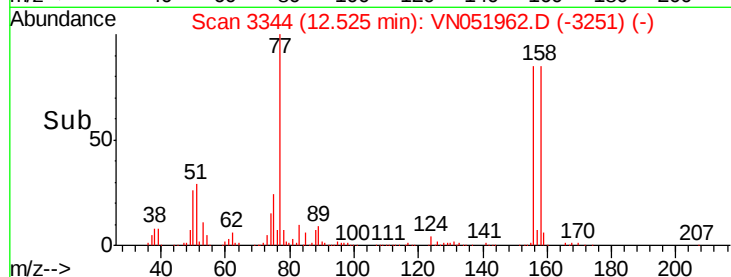
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.986 ug/l

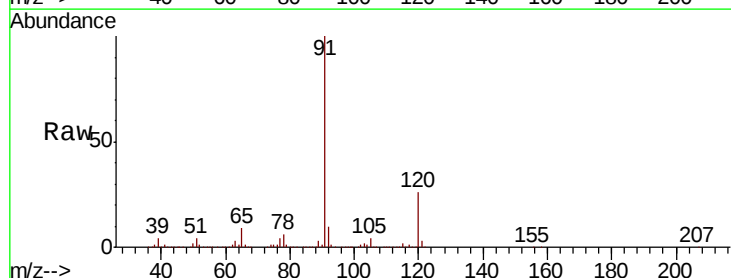
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051962.D

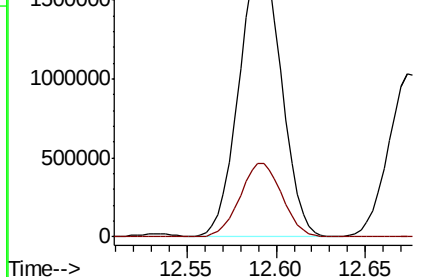
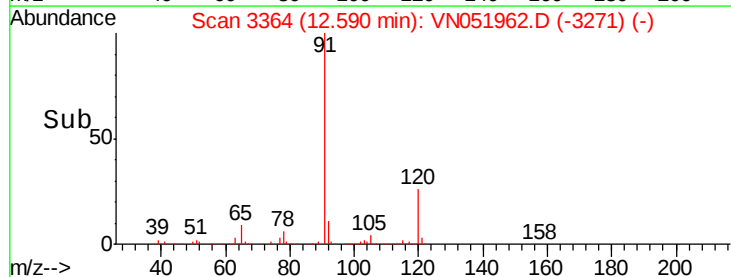
Acq: 23 Oct 2018 14:00

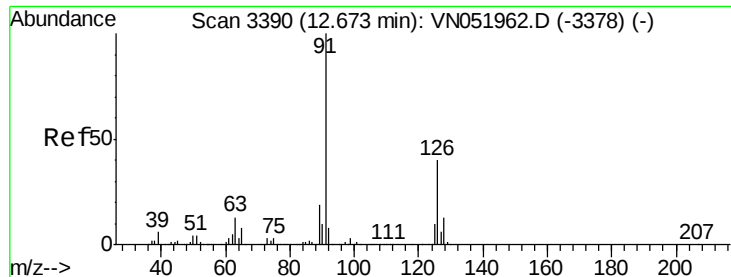
Tgt Ion:	91	Resp:	2926406
Ion Ratio	Lower	Upper	
91	100		
120	26.2	13.1	39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.522 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1688339

Ion Ratio Lower Upper

91 100

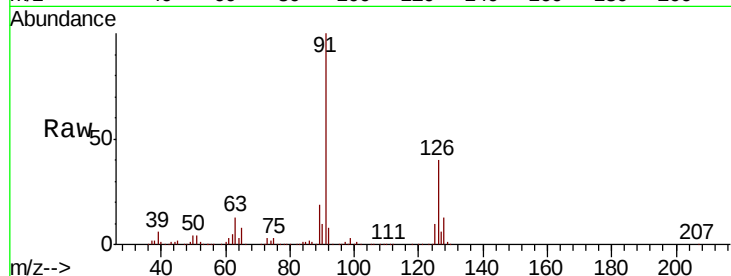
126 40.2 20.1 60.3

Manual Integrations

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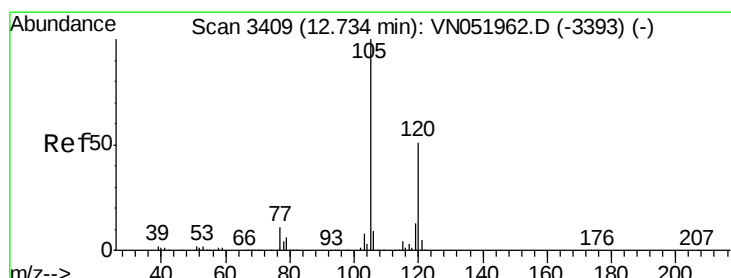
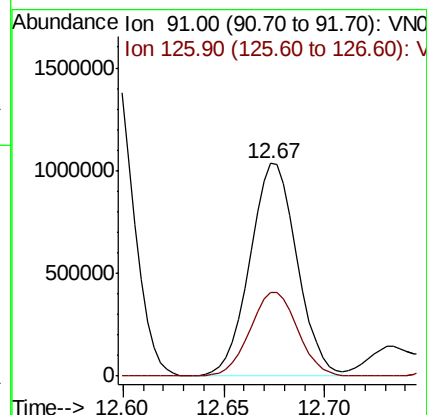
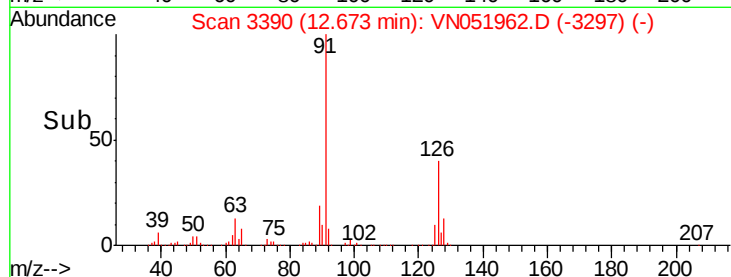
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Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051962.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.341 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051962.D

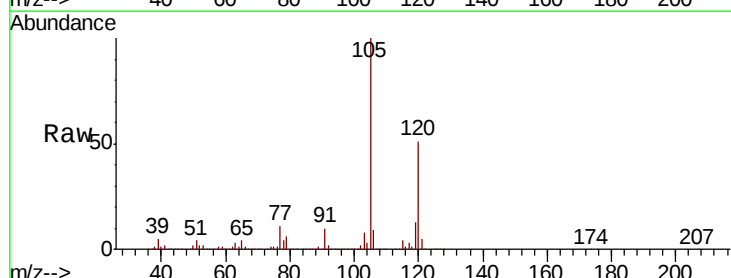
Acq: 23 Oct 2018 14:00

Tgt Ion: 105 Resp: 2235461

Ion Ratio Lower Upper

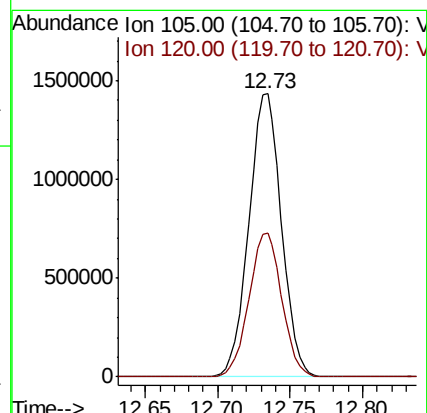
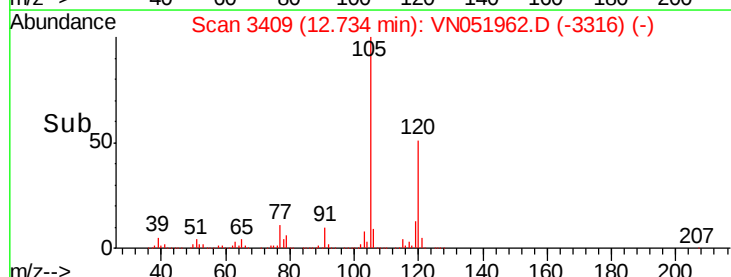
105 100

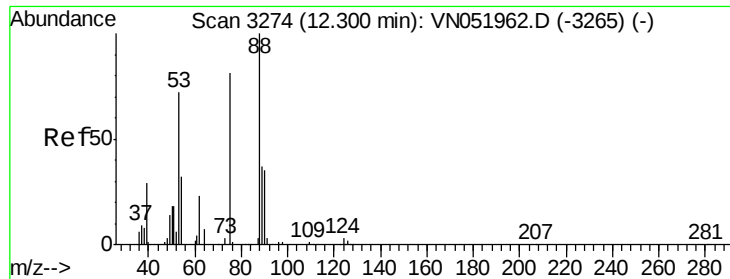
120 51.4 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VN051962.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051962.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.286 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

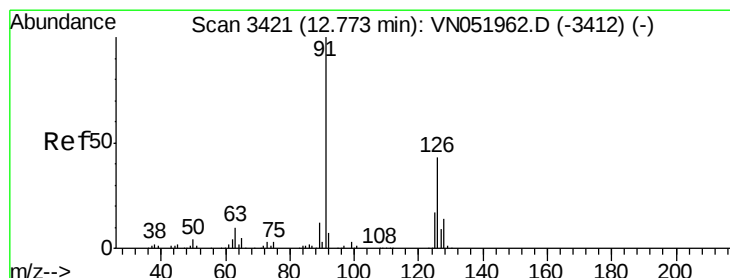
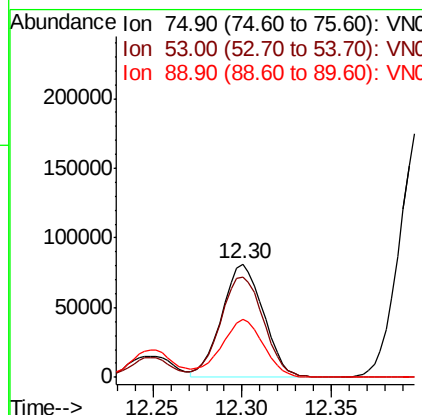
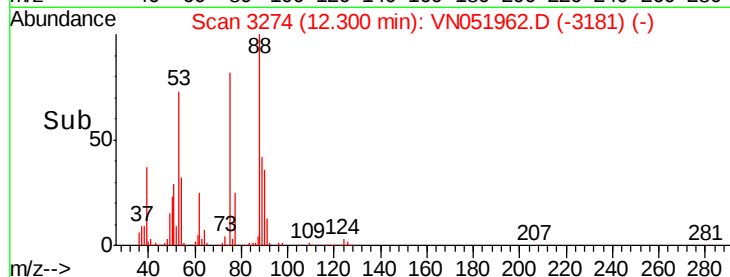
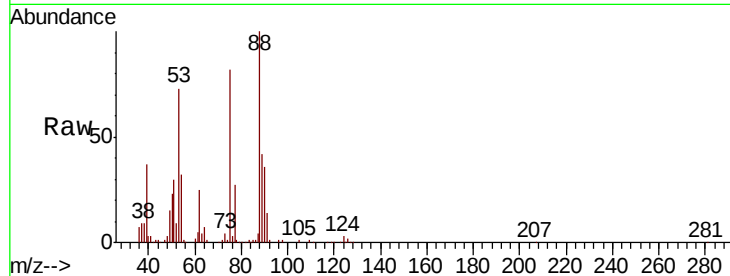
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	131732
Ion	Ratio	Lower	Upper
75	100		
53	91.9	73.5	110.3
89	52.0	41.6	62.4

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#82

4-Chlorotoluene

Concen: 50.062 ug/l

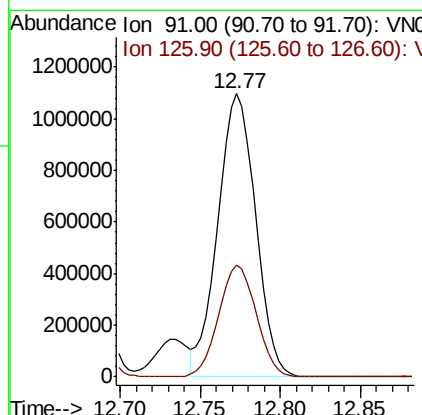
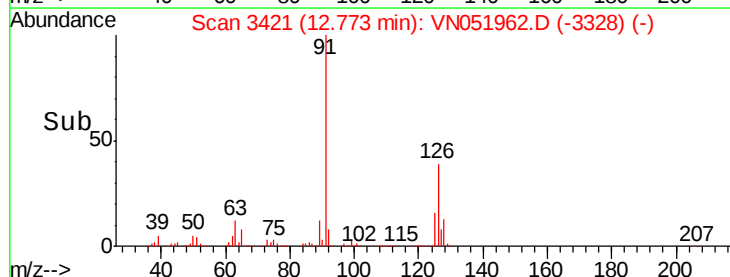
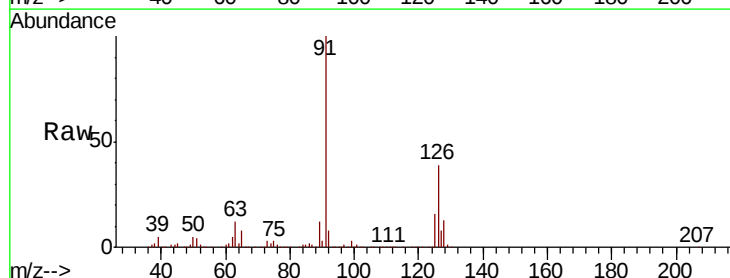
RT: 12.77 min Scan# 3421

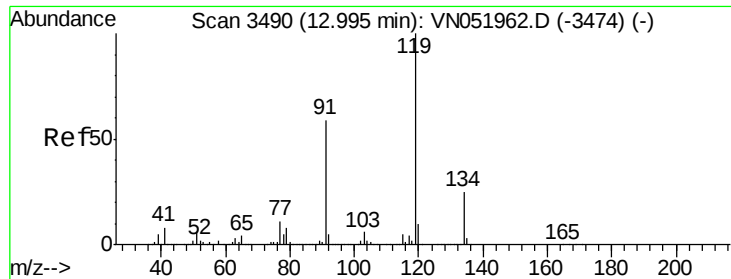
Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Tgt Ion:	91	Resp:	1767097
Ion	Ratio	Lower	Upper
91	100		
126	39.3	19.7	59.0





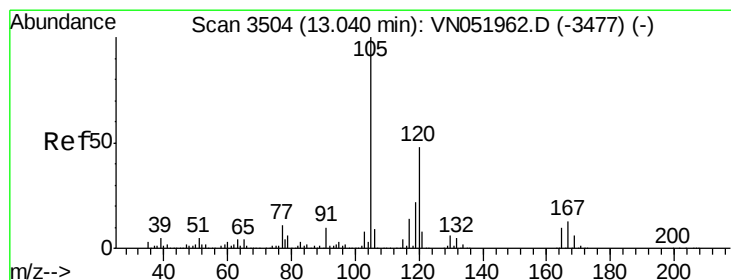
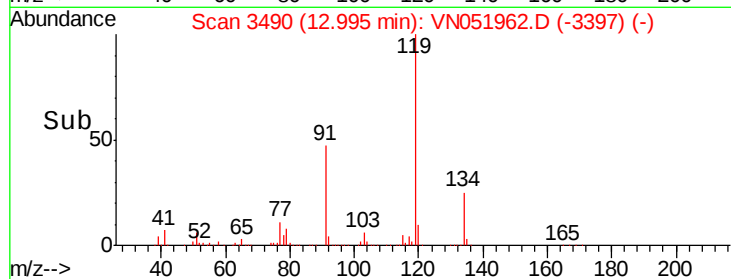
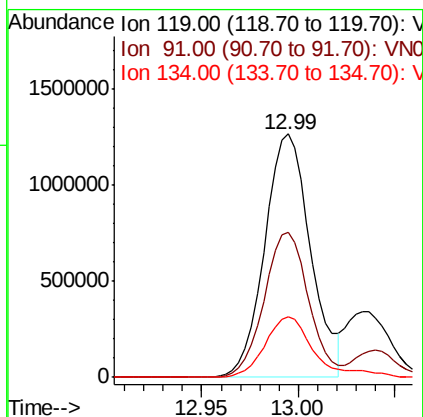
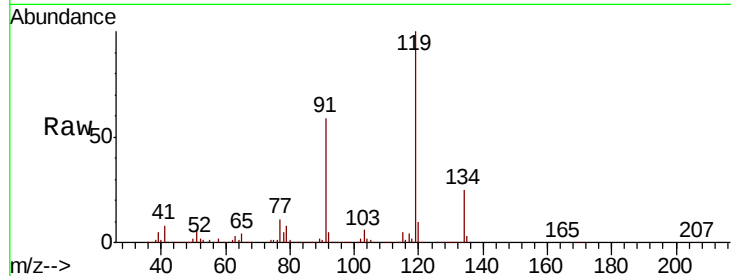
#83
 tert-Butylbenzene
 Concen: 50.862 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 2094597
 Ion Ratio Lower Upper
 119 100
 91 57.6 28.8 86.4
 134 26.7 13.4 40.1

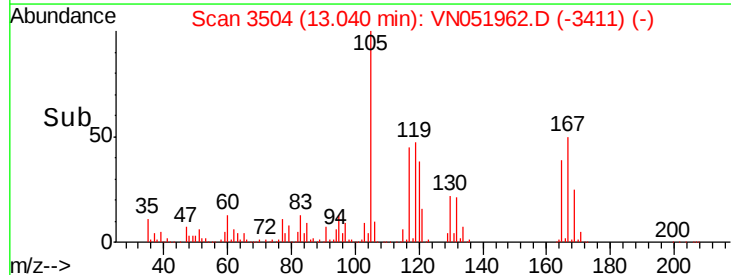
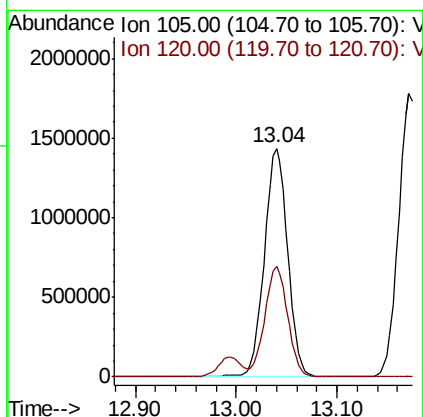
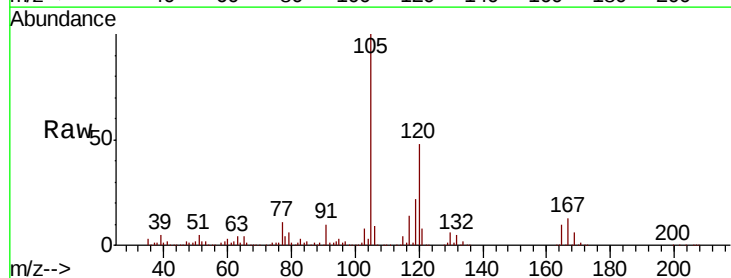
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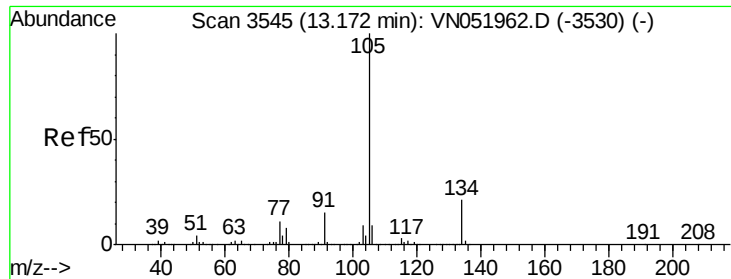
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.286 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion:105 Resp: 2303417
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5





#85

sec-Butylbenzene

Concen: 51.009 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2743545

Ion Ratio Lower Upper

105 100

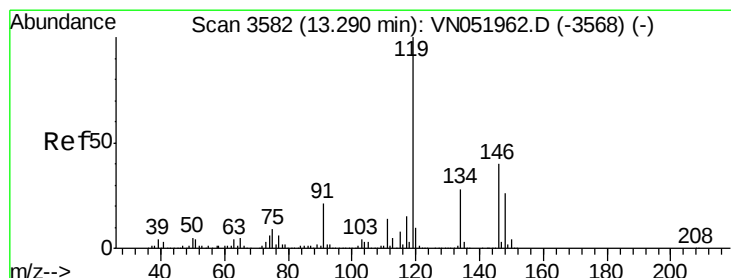
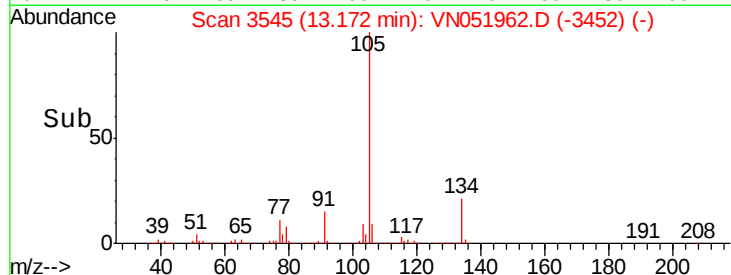
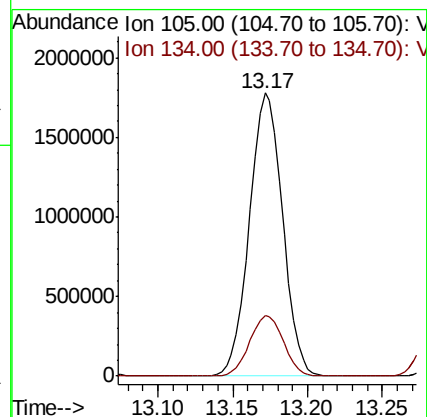
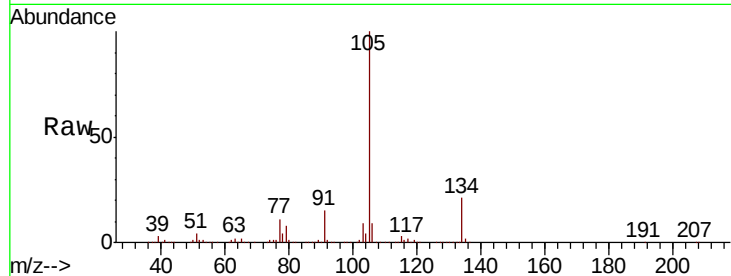
134 21.9 10.9 32.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.698 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

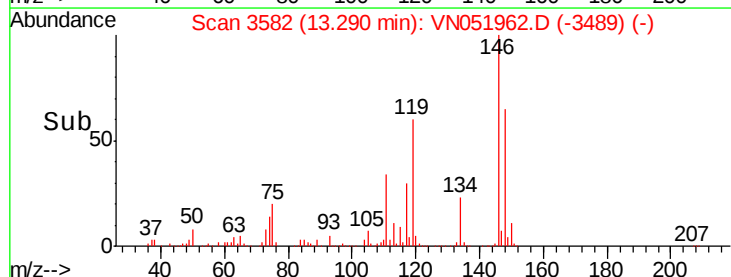
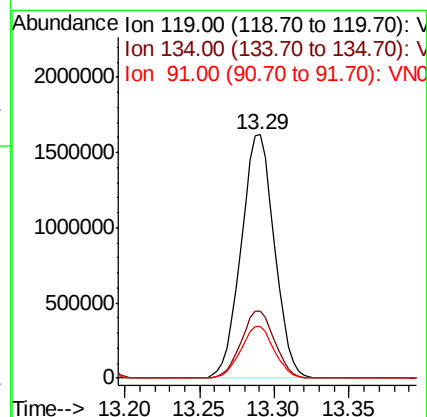
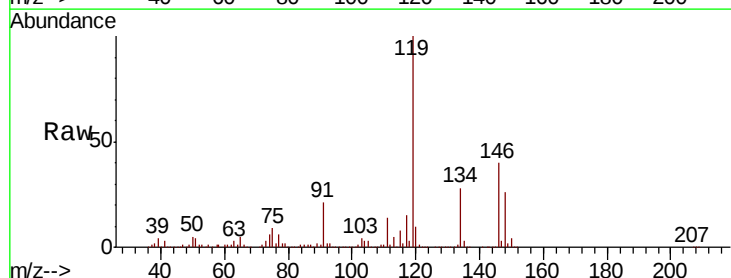
Tgt Ion:119 Resp: 2503424

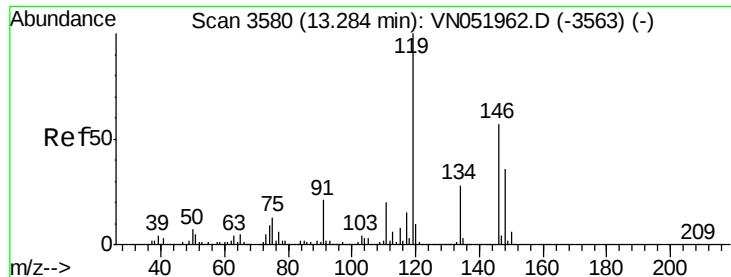
Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.7

91 21.2 10.6 31.8





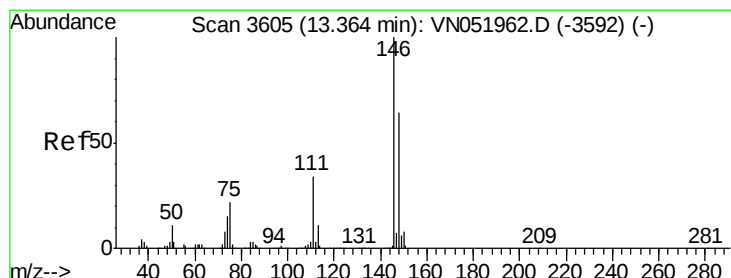
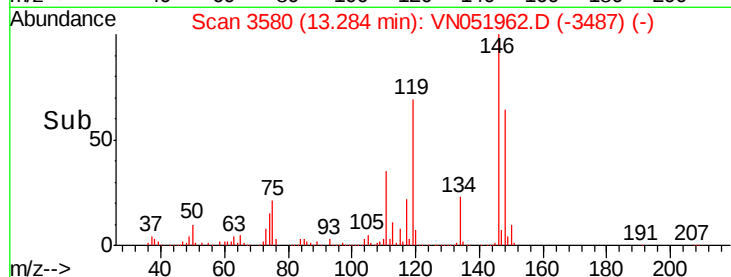
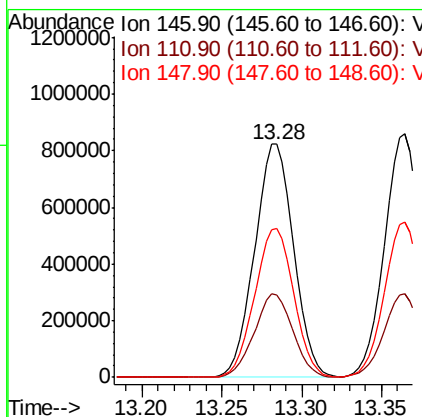
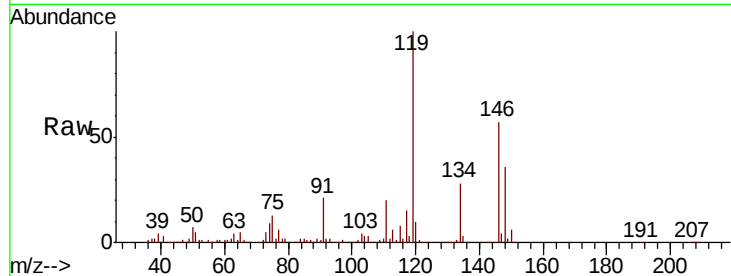
#87
 1,3-Dichlorobenzene
 Concen: 50.021 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 1381782
 Ion Ratio Lower Upper
 146 100
 111 35.2 17.6 52.8
 148 64.0 32.0 96.0

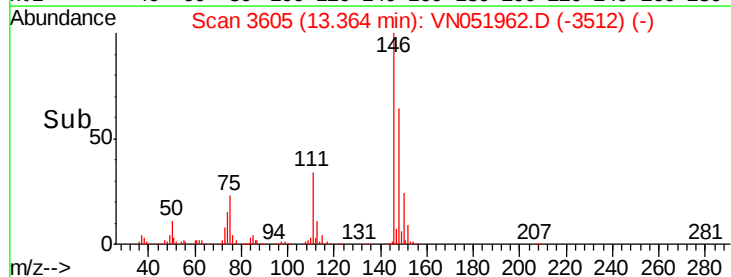
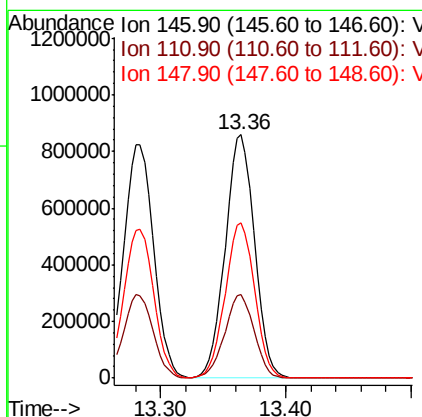
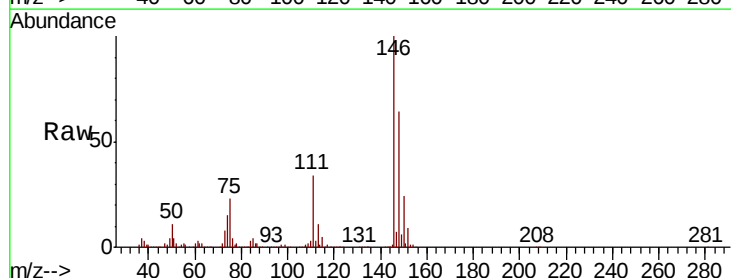
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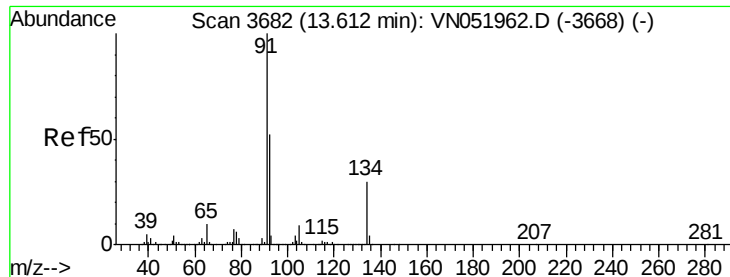
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#88
 1,4-Dichlorobenzene
 Concen: 51.096 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion:146 Resp: 1391544
 Ion Ratio Lower Upper
 146 100
 111 34.5 17.3 51.7
 148 64.2 32.1 96.3





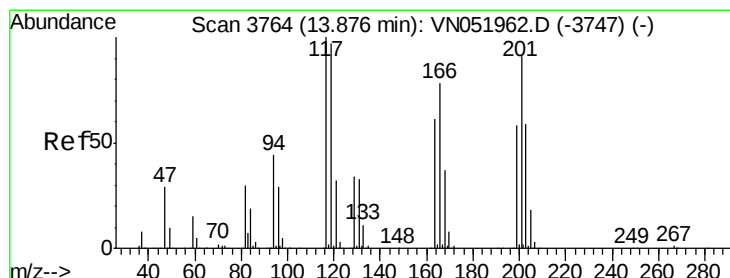
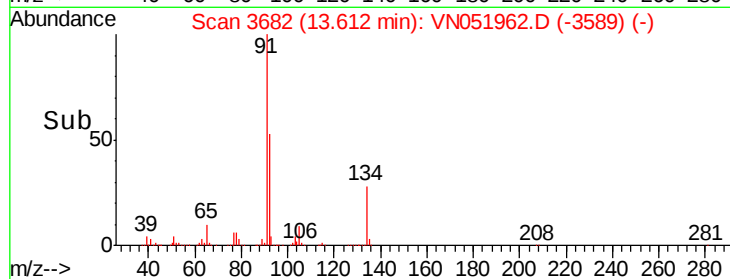
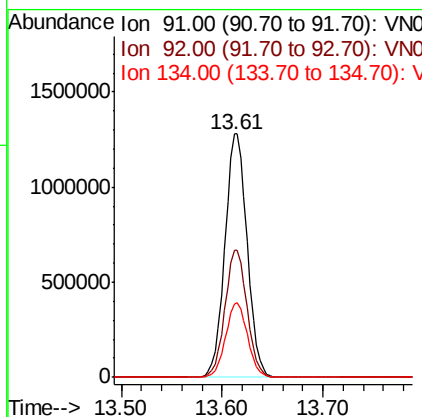
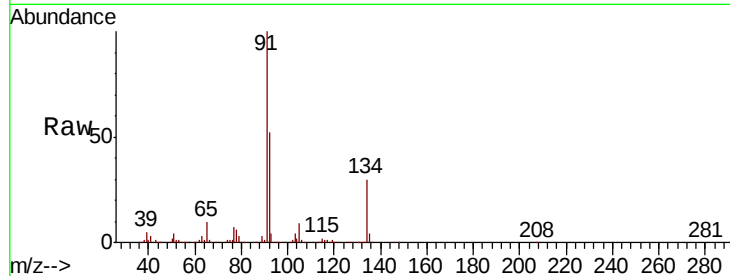
#89
n-Butylbenzene
Concen: 51.011 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	30.4	15.2	45.6

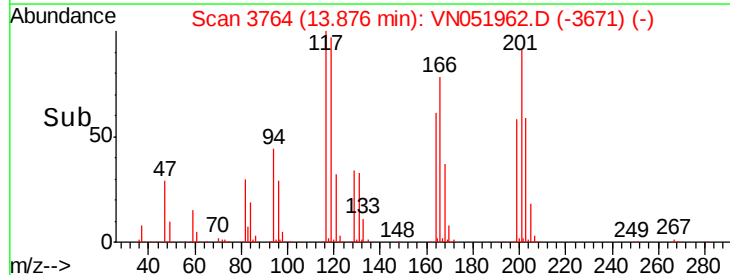
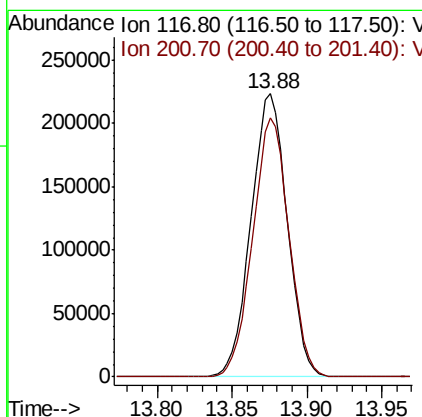
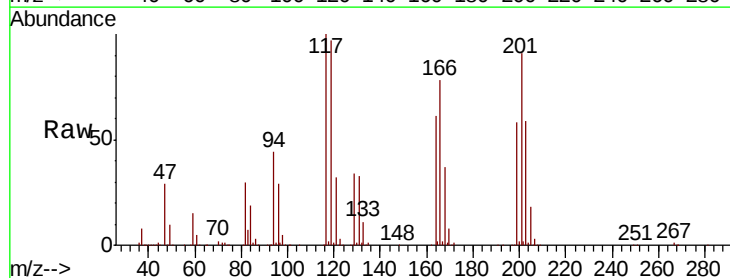
Manual Integrations
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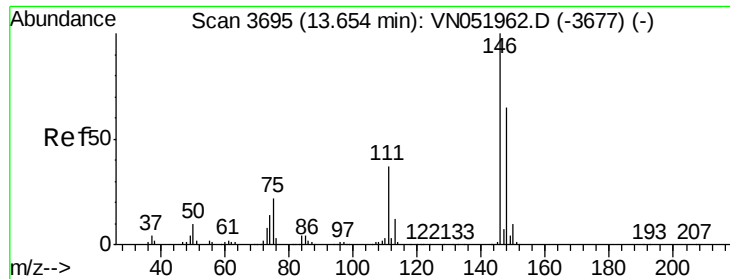
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#90
Hexachloroethane
Concen: 52.237 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051962.D
Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	45.6	136.9





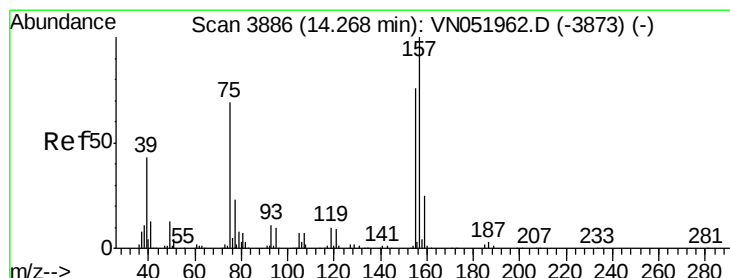
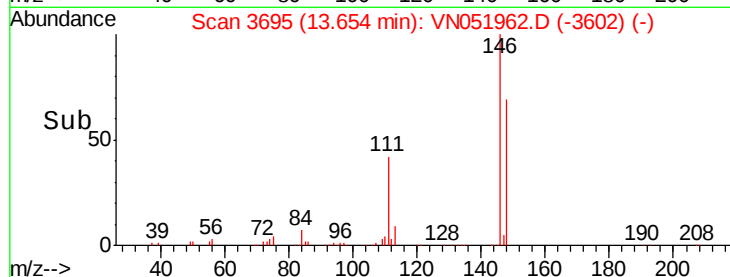
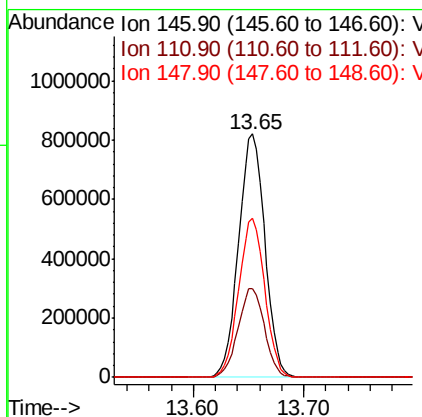
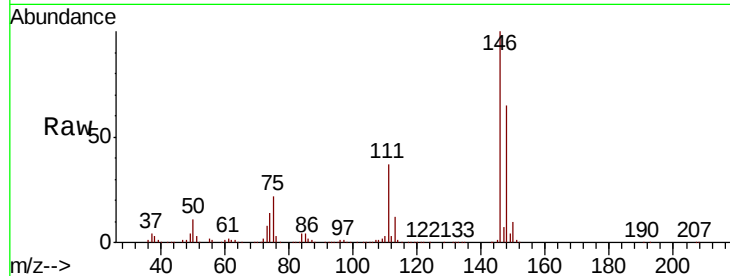
#91
 1,2-Dichlorobenzene
 Concen: 50.783 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.9
148	64.7	32.4	97.0

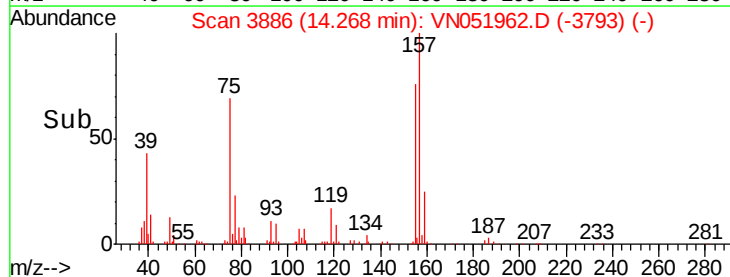
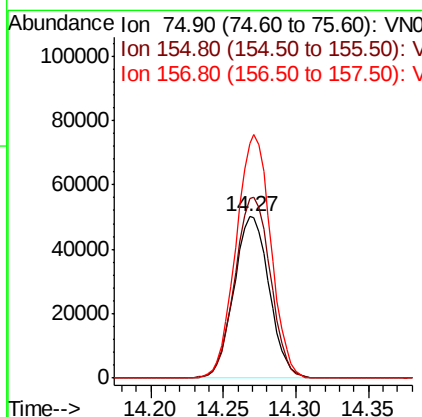
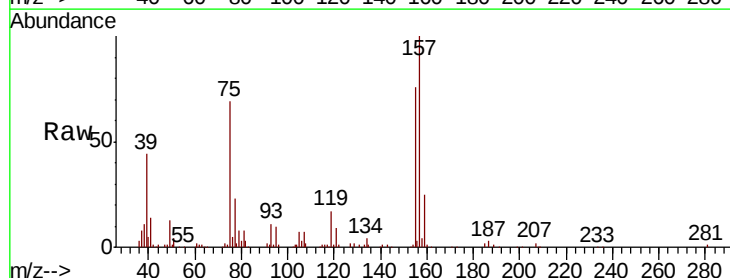
Manual Integrations
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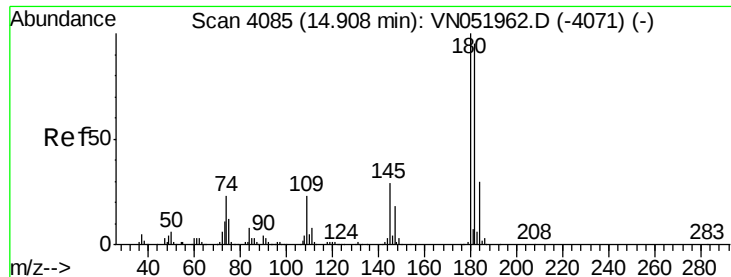
MMDadoda
 10/24/2018 10:09:21 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.453 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.9	56.0	167.9
157	147.7	73.9	221.6





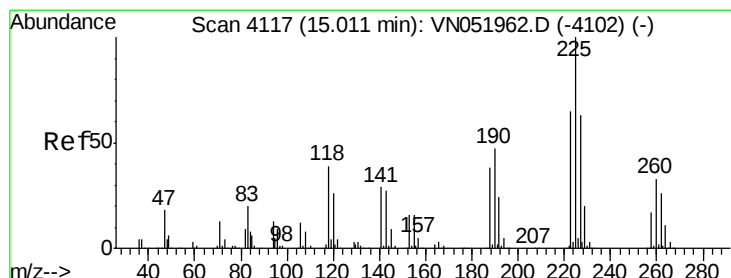
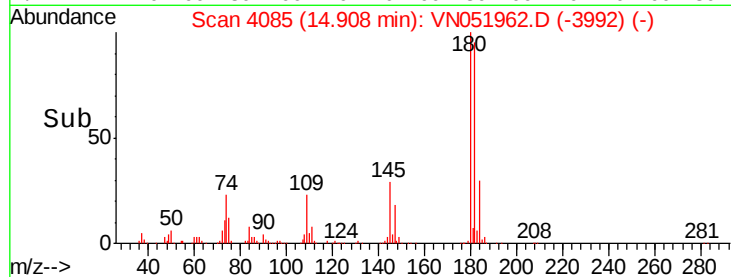
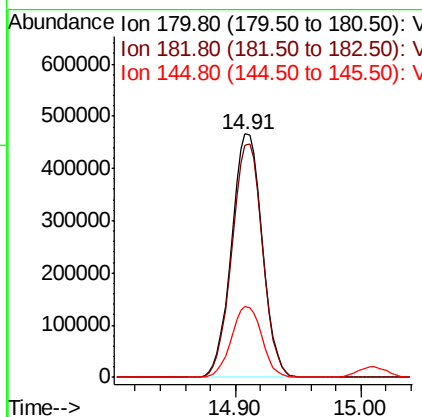
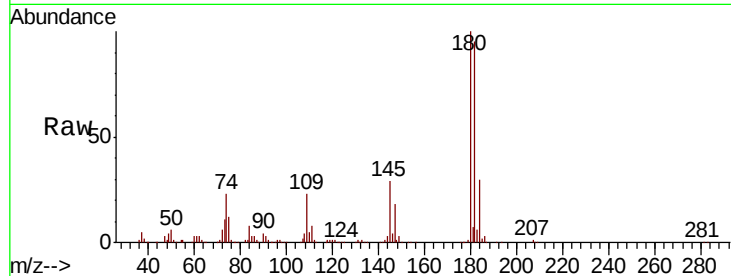
#93
 1,2,4-Trichlorobenzene
 Concen: 50.019 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	789595		
182	95.6		47.8	143.4
145	29.0		14.5	43.5

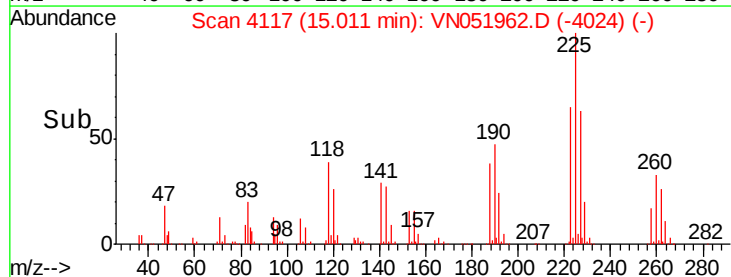
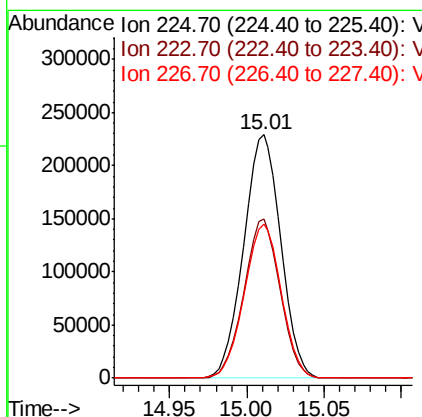
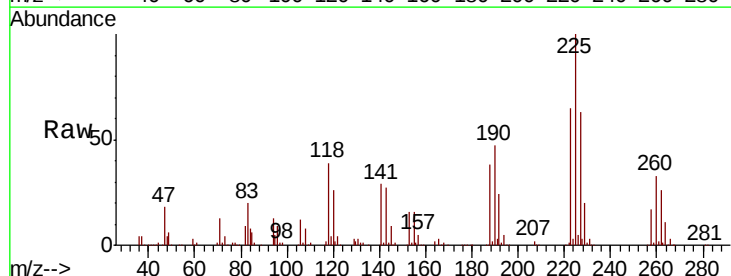
Manual Integrations
 APPROVED

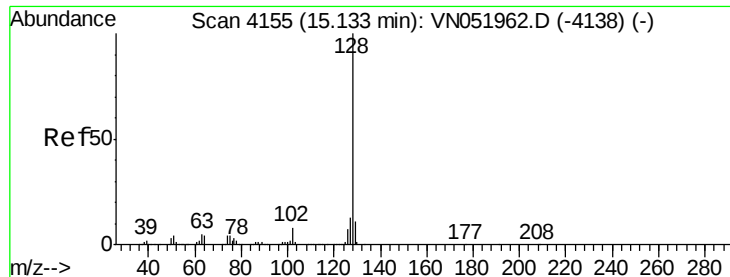
MMDadoda
 10/24/2018 10:09:21 AM



#94
 Hexachlorobutadiene
 Concen: 47.264 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051962.D
 Acq: 23 Oct 2018 14:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	383367		
223	63.6		31.8	95.4
227	62.8		31.4	94.2





#95

Naphthalene

Concen: 52.949 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:128 Resp: 1815220

Ion Ratio Lower Upper

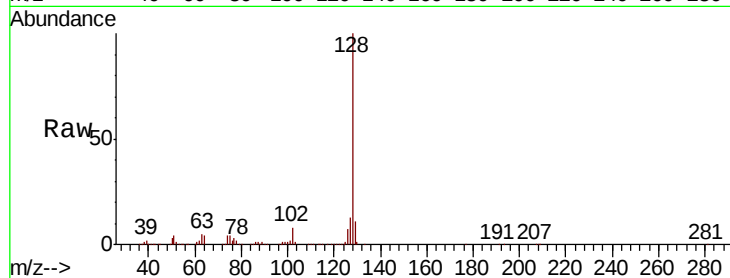
128 100

127 12.9 10.3 15.5

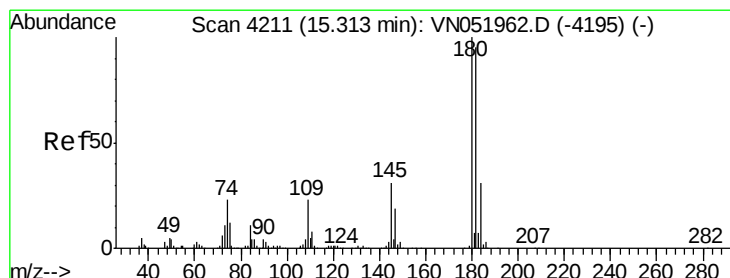
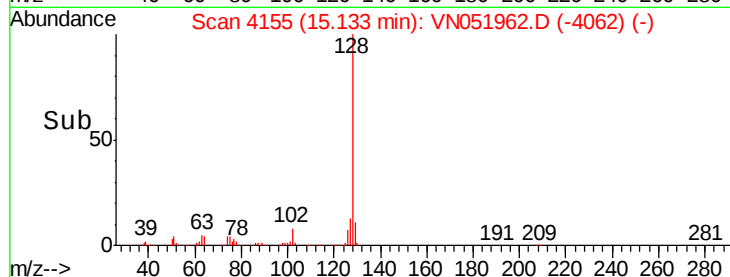
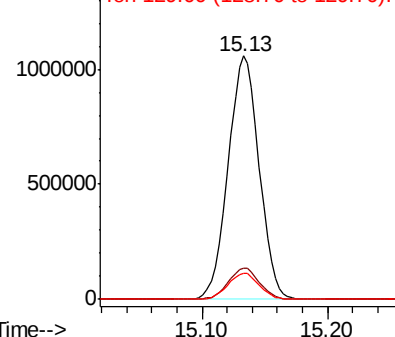
129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
10/24/2018 10:09:21 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.630 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051962.D

Acq: 23 Oct 2018 14:00

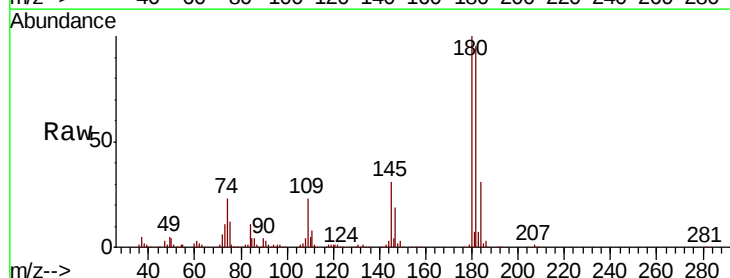
Tgt Ion:180 Resp: 748860

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 30.8 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

