

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052707.D
 Acq On : 6 Dec 2018 19:06
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 1:12:56 PM

Quant Time: Dec 07 07:22:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	911295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1420496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1273939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	602675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	522480	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.59	113	474257	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
50) Toluene-d8	10.09	98	1792675	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.40	95	621171	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	373067	43.722	ug/l	98
3) Chloromethane	2.06	50	488734	43.392	ug/l	100
4) Vinyl Chloride	2.19	62	510036	44.082	ug/l	99
5) Bromomethane	2.57	94	278577	38.588	ug/l	99
6) Chloroethane	2.71	64	313874	44.785	ug/l	100
7) Trichlorofluoromethane	3.02	101	675709	47.544	ug/l	97
8) Diethyl Ether	3.41	74	264884	50.469	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	432599	48.780	ug/l	99
10) Methyl Iodide	3.96	142	602128	50.978	ug/l	99
11) Tert butyl alcohol	4.78	59	135527	272.833	ug/l	100
12) 1,1-Dichloroethene	3.74	96	404785	47.419	ug/l	99
13) Acrolein	3.61	56	198713	230.168	ug/l	99
14) Allyl chloride	4.33	41	719949	48.934	ug/l	99
15) Acrylonitrile	4.99	53	823538	261.904	ug/l	100
16) Acetone	3.81	43	610904	233.426	ug/l	99
17) Carbon Disulfide	4.06	76	1085360	40.402	ug/l	100
18) Methyl Acetate	4.33	43	416929	55.538	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1181770	52.032	ug/l	100
20) Methylene Chloride	4.55	84	487558	47.606	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	436079	47.831	ug/l	95
22) Diisopropyl ether	5.95	45	1556745	50.373	ug/l	99
23) Vinyl Acetate	5.90	43	4894260	254.263	ug/l	100
24) 1,1-Dichloroethane	5.85	63	873472	49.502	ug/l	99
25) 2-Butanone	6.84	43	933950	251.773	ug/l	97
26) 2,2-Dichloropropane	6.82	77	613594	50.239	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	524603	49.396	ug/l	99
28) Bromochloromethane	7.19	49	403617	50.080	ug/l	95
29) Tetrahydrofuran	7.21	42	616830	257.807	ug/l	99
30) Chloroform	7.37	83	861583	48.941	ug/l	100
31) Cyclohexane	7.65	56	768398	44.955	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	705404	50.573	ug/l	99
36) 1,1-Dichloropropene	7.79	75	644576	48.052	ug/l	99
37) Ethyl Acetate	6.93	43	415939	50.808	ug/l	99
38) Carbon Tetrachloride	7.78	117	606848	49.974	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	754711	46.289	ug/l	99
40) Benzene	8.04	78	1975179	49.408	ug/l	99
41) Methacrylonitrile	7.17	41	238342	53.253	ug/l	97
42) 1,2-Dichloroethane	8.13	62	614326	50.752	ug/l	100
43) Isopropyl Acetate	8.16	43	749878	54.127	ug/l	99
44) Trichloroethene	8.84	130	512051	50.005	ug/l	99
45) 1,2-Dichloropropane	9.12	63	532902	50.140	ug/l	100
46) Dibromomethane	9.21	93	303997	51.668	ug/l	98
47) Bromodichloromethane	9.40	83	660168	51.607	ug/l	99
48) Methyl methacrylate	9.20	41	378406	52.382	ug/l	99
49) 1,4-Dioxane	9.20	88	81887	1092.234	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2095797	269.621	ug/l	100
52) Toluene	10.16	92	1210235	50.953	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	652108	52.990	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	770196	52.226	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	443580	53.093	ug/l	99
56) Ethyl methacrylate	10.43	69	579077	49.918	ug/l	99
57) 1,3-Dichloropropane	10.71	76	765812	51.912	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1590451	262.344	ug/l	98
59) 2-Hexanone	10.75	43	1411024	270.469	ug/l	100
60) Dibromochloromethane	10.90	129	490435	54.047	ug/l	99
61) 1,2-Dibromoethane	11.01	107	430276	51.852	ug/l	99
64) Tetrachloroethene	10.63	164	505186	51.147	ug/l	99
65) Chlorobenzene	11.44	112	1332083	50.710	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	479576	52.506	ug/l	100
67) Ethyl Benzene	11.51	91	2331549	50.685	ug/l	99
68) m/p-Xylenes	11.62	106	1739026	101.549	ug/l	99
69) o-Xylene	11.95	106	860764	51.760	ug/l	99
70) Styrene	11.96	104	1413083	53.350	ug/l	99
71) Bromoform	12.13	173	332647	55.005	ug/l #	99
73) Isopropylbenzene	12.25	105	2303878	48.725	ug/l	100
74) N-amyl acetate	12.07	43	625696	52.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	530821	49.351	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	452093m	48.646	ug/l	
77) Bromobenzene	12.53	156	578109	49.465	ug/l	99
78) n-propylbenzene	12.59	91	2631897	48.996	ug/l	99
79) 2-Chlorotoluene	12.68	91	1550334	48.466	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1857765	49.264	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	145960	52.449	ug/l	99
82) 4-Chlorotoluene	12.77	91	1559538	48.374	ug/l	99
83) tert-Butylbenzene	12.99	119	1648144	49.024	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1874064	49.588	ug/l	99
85) sec-Butylbenzene	13.17	105	2249499	49.126	ug/l	100
86) p-Isopropyltoluene	13.29	119	1924111	49.335	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1010865	49.447	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	987525	49.041	ug/l	99
89) n-Butylbenzene	13.62	91	1622183	50.013	ug/l	100
90) Hexachloroethane	13.88	117	329354	49.874	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	987667	50.568	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79221	51.497	ug/l	96

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	498492	46.783	ug/l	99
94) Hexachlorobutadiene	15.01	225	302680	48.171	ug/l	99
95) Naphthalene	15.13	128	1040008	46.120	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	466789	47.589	ug/l	100

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

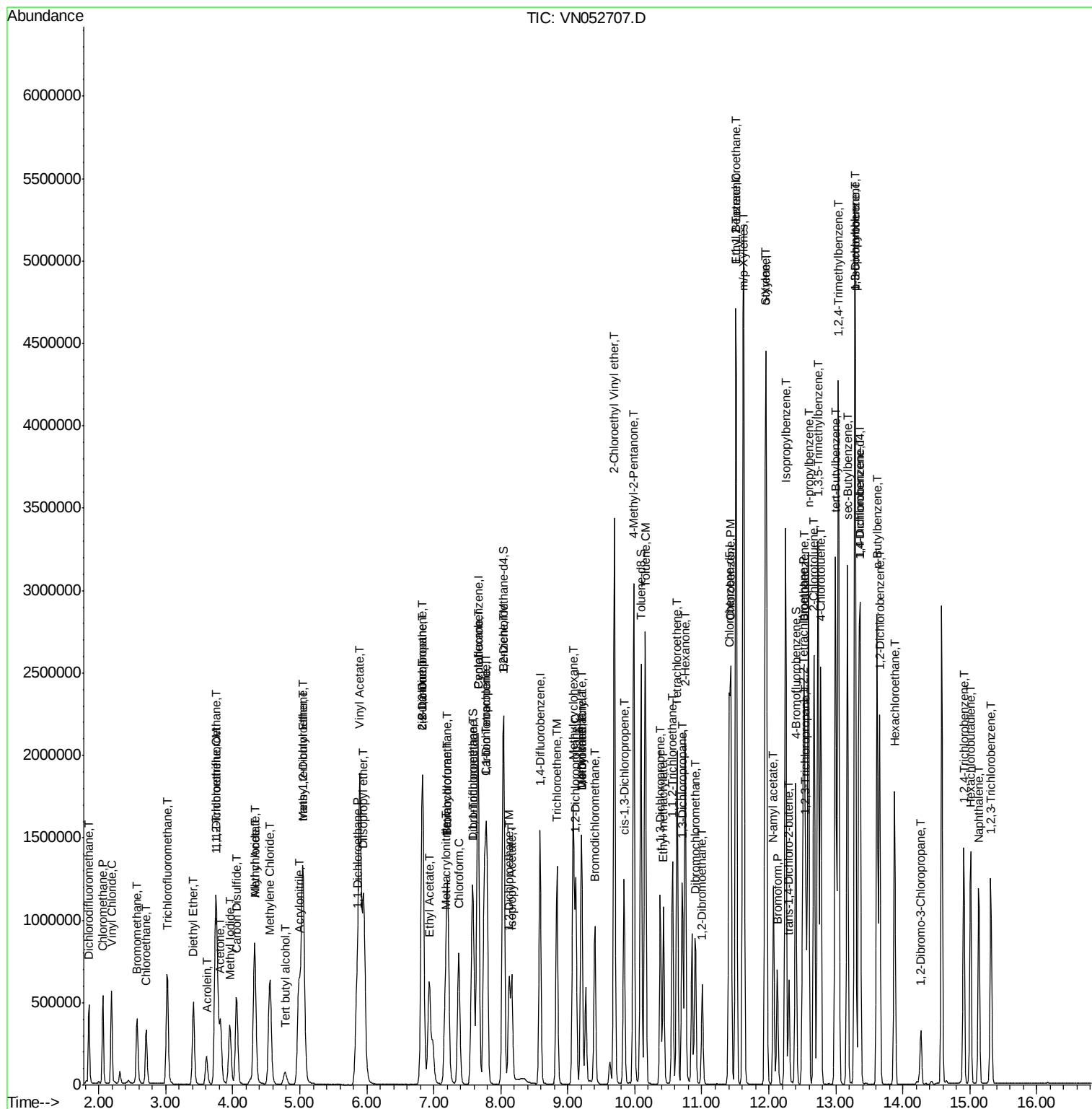
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Data File : VN052707.D
Acq On : 6 Dec 2018 19:06
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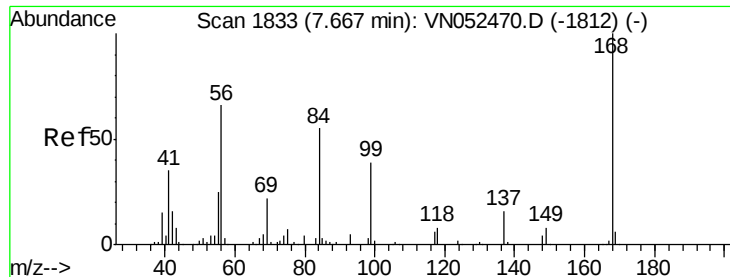
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 911295

Ion Ratio Lower Upper

168 100

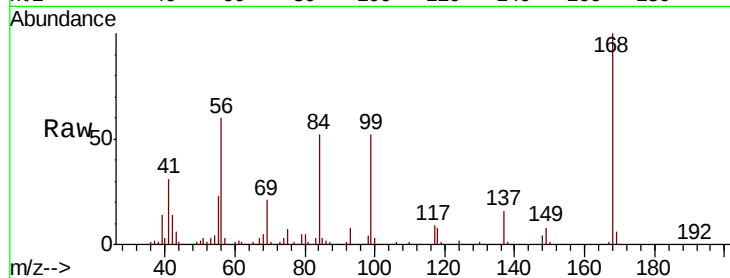
99 51.6 41.7 62.5

Manual Integrations

APPROVED

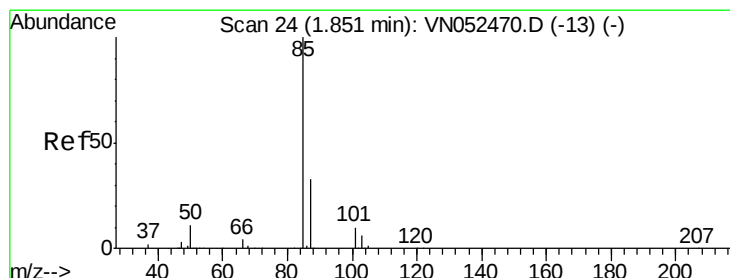
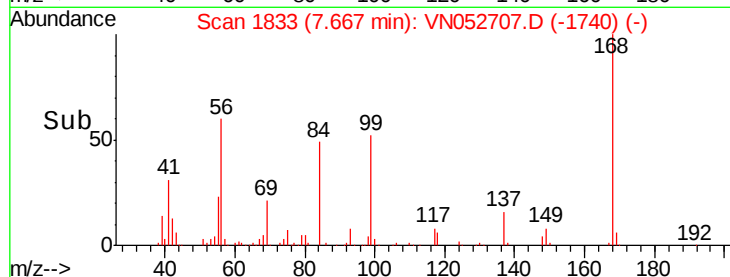
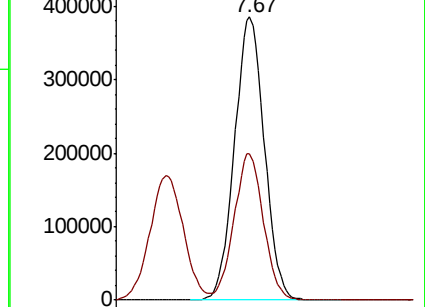
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.722 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052707.D

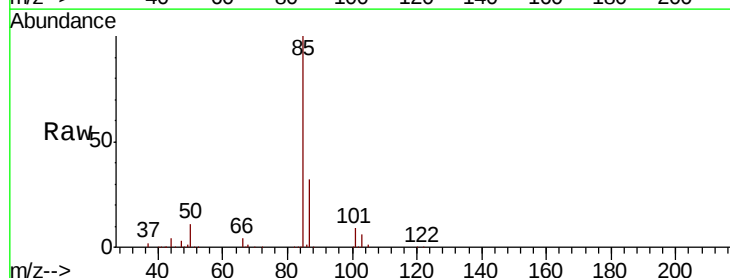
Acq: 6 Dec 2018 19:06

Tgt Ion: 85 Resp: 373067

Ion Ratio Lower Upper

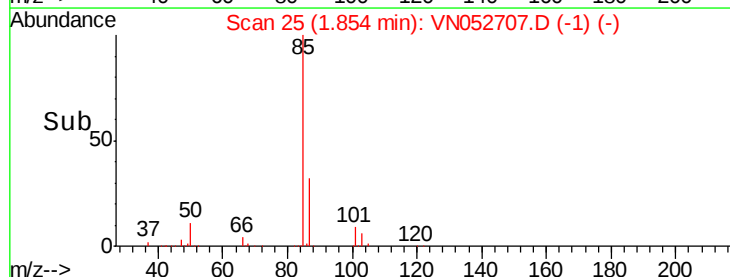
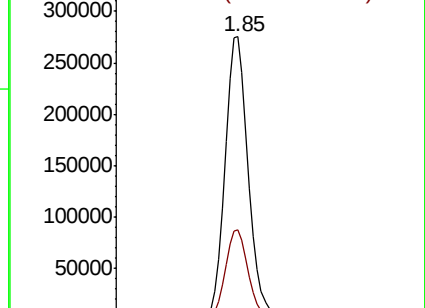
85 100

87 32.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 43.392 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 488734

Ion Ratio Lower Upper

50 100

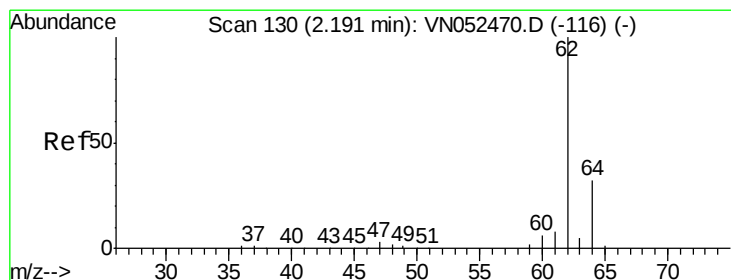
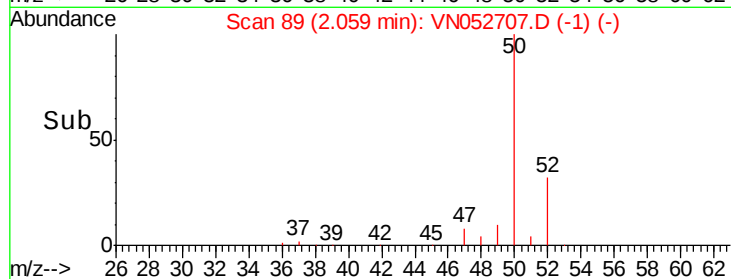
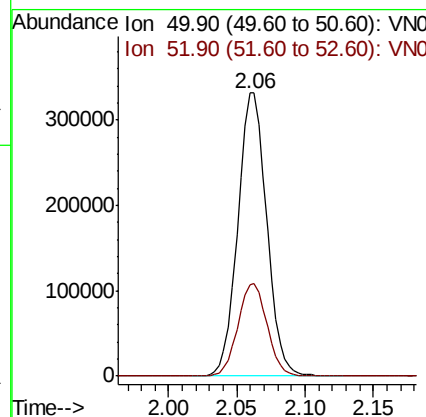
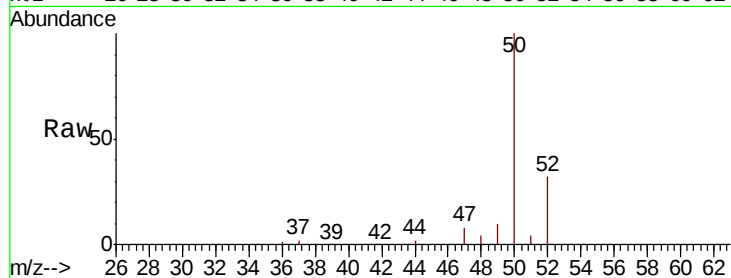
52 32.2 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.082 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052707.D

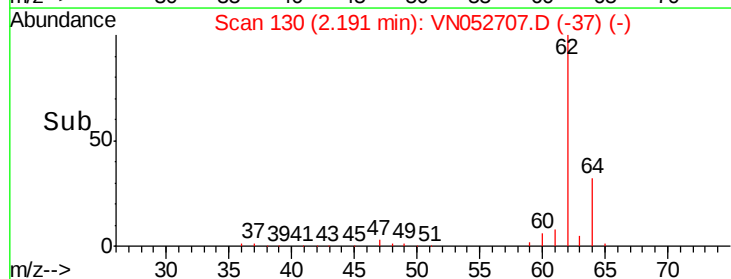
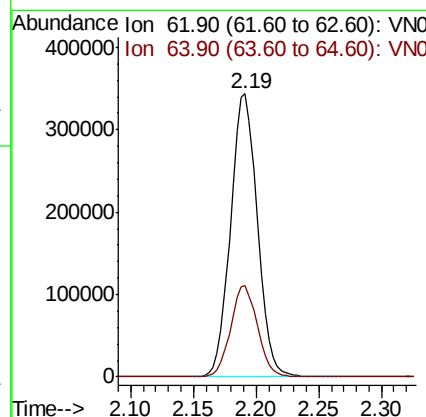
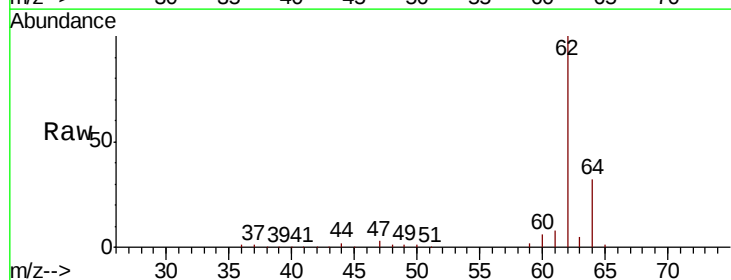
Acq: 6 Dec 2018 19:06

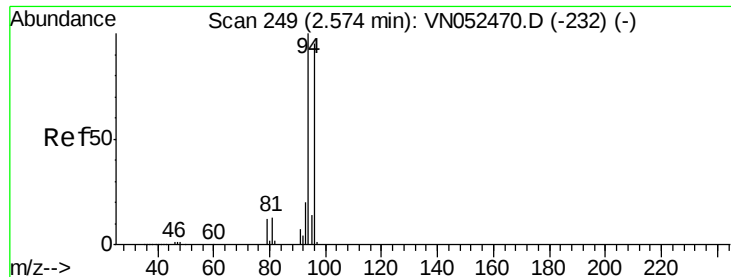
Tgt Ion: 62 Resp: 510036

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 38.588 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 278577

Ion Ratio Lower Upper

94 100

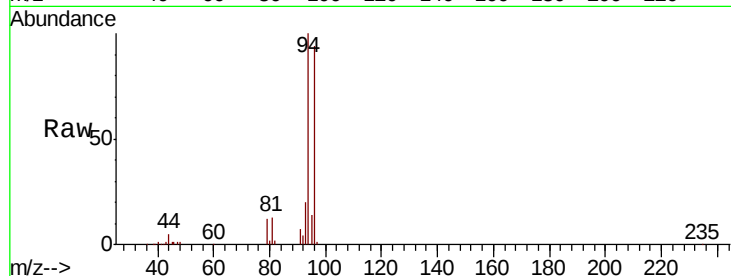
96 93.7 75.8 113.8

Manual Integrations

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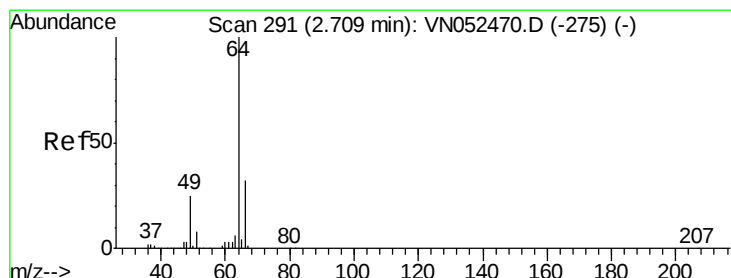
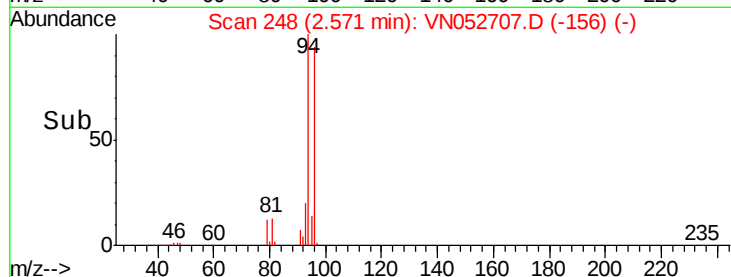
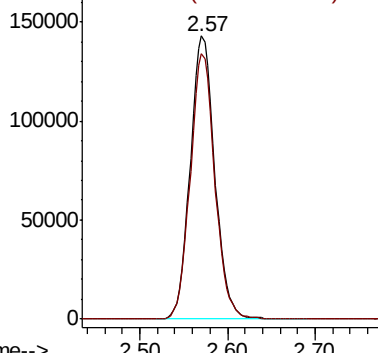
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.785 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052707.D

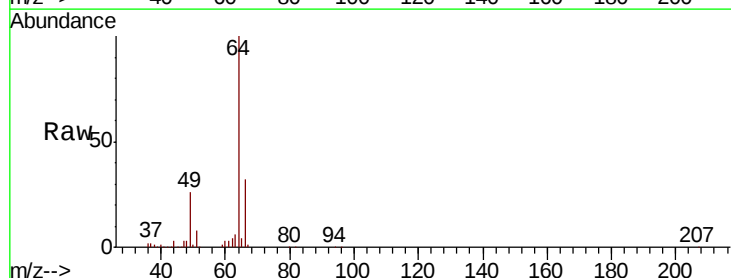
Acq: 6 Dec 2018 19:06

Tgt Ion: 64 Resp: 313874

Ion Ratio Lower Upper

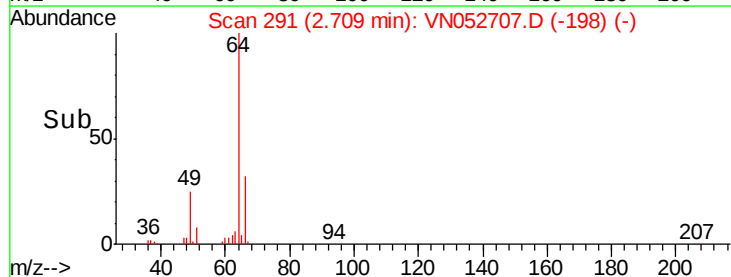
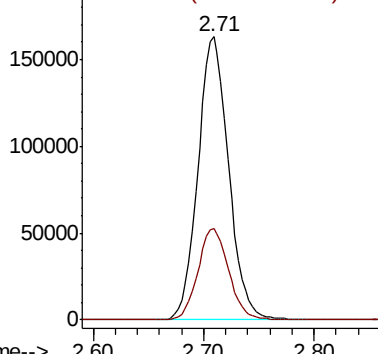
64 100

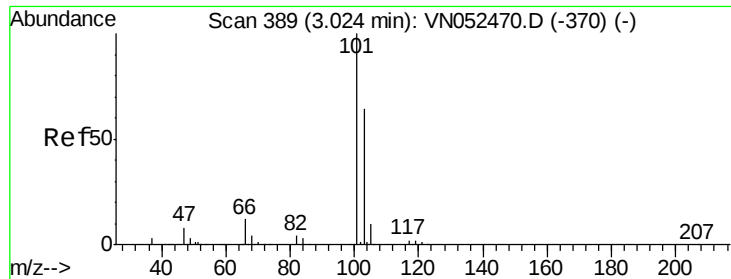
66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

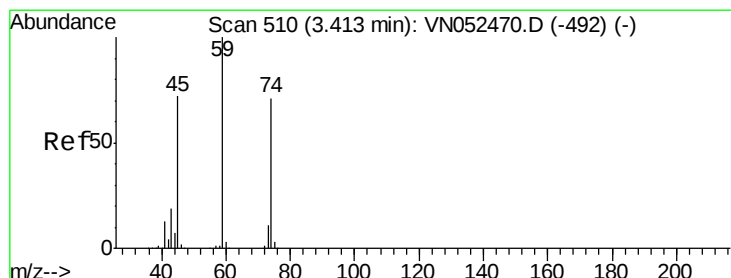
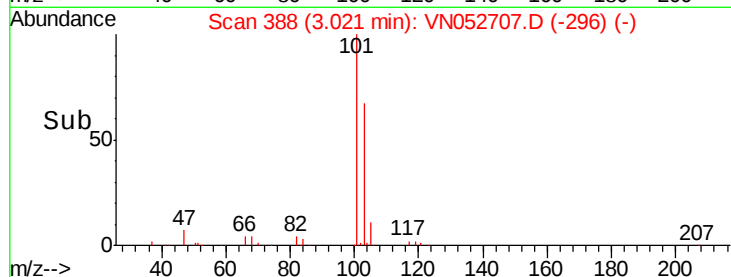
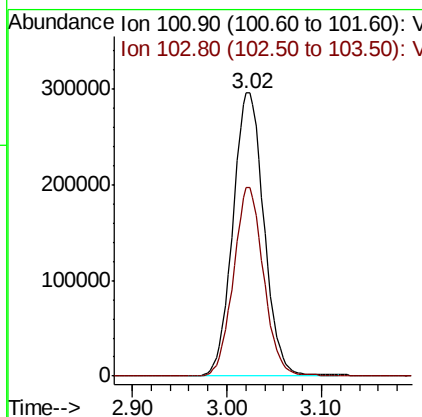
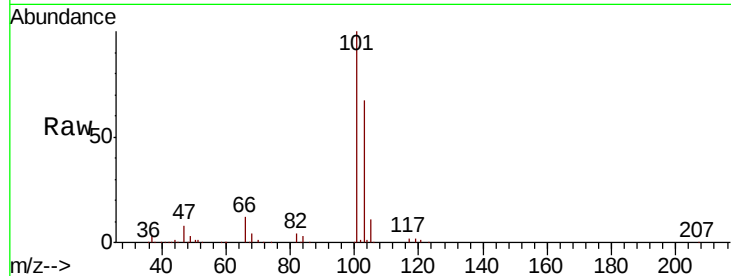
Trichlorofluoromethane
 Concen: 47.544 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052707.D
 Acq: 6 Dec 2018 19:06

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.4	77.2

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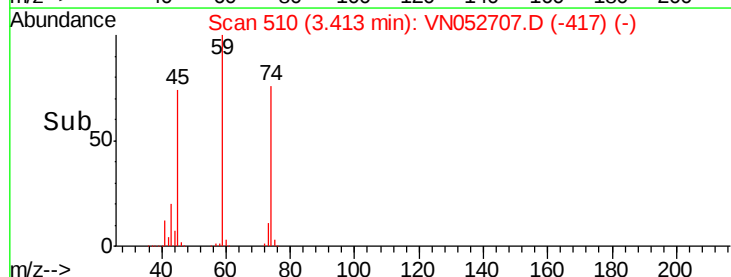
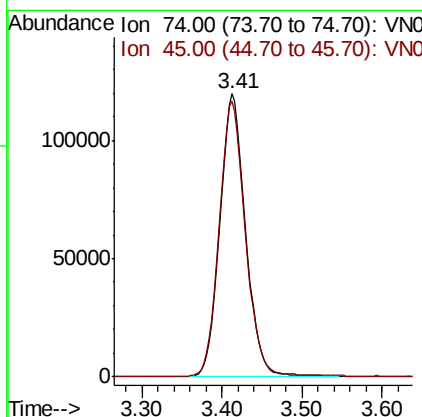
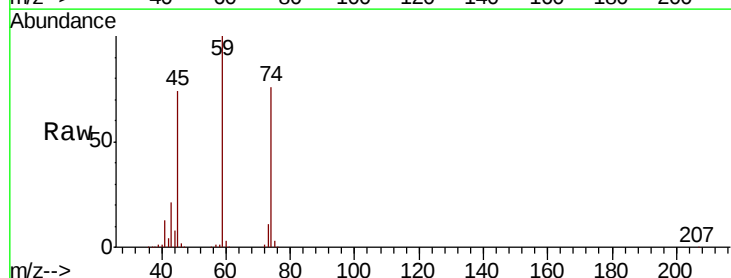
MMDadoda
 12/7/2018 1:12:56 PM



#8

Diethyl Ether
 Concen: 50.469 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052707.D
 Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.780 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

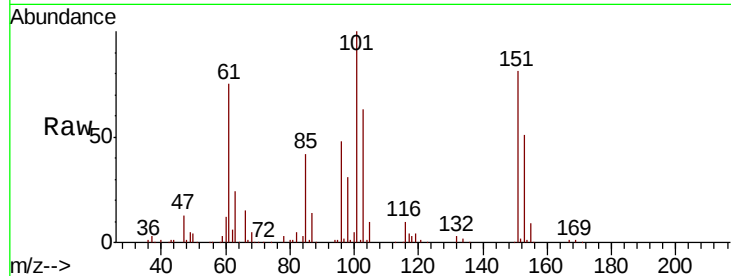
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	432599
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.4
151	82.1	64.6	96.8

Manual Integrations
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MMDadoda
12/7/2018 1:12:56 PM

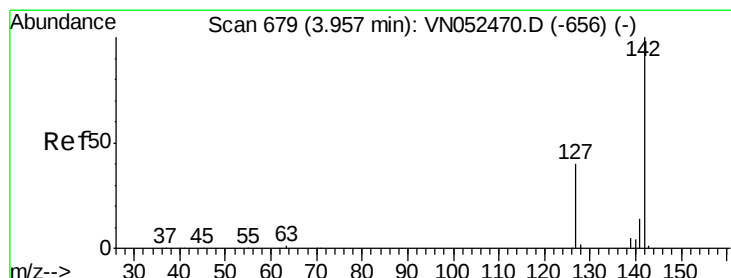
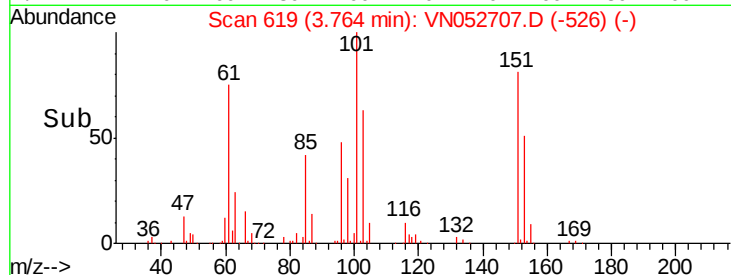
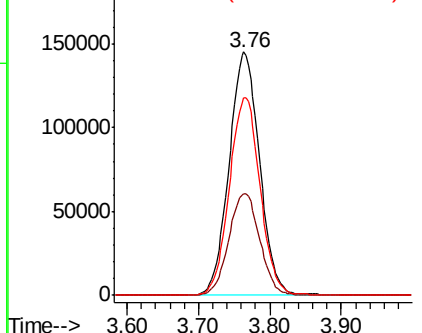


Abundance

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: 50.978 ug/l

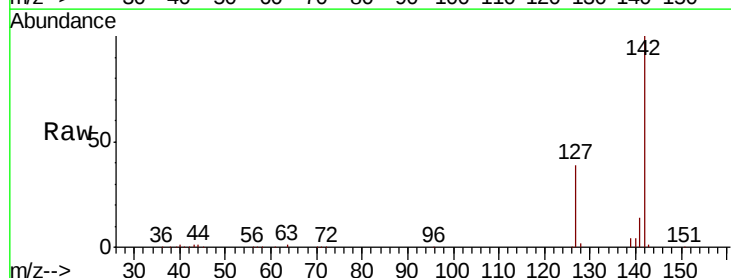
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion:	142	Resp:	602128
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.8	47.6
141	14.0	11.4	17.0

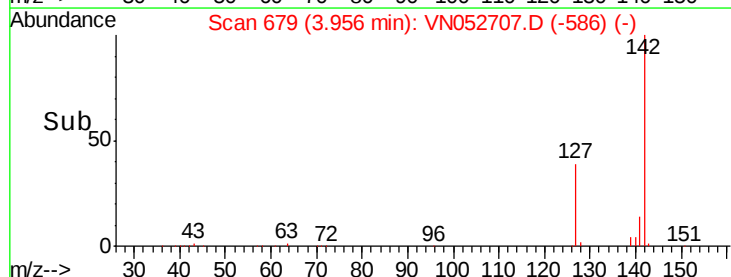
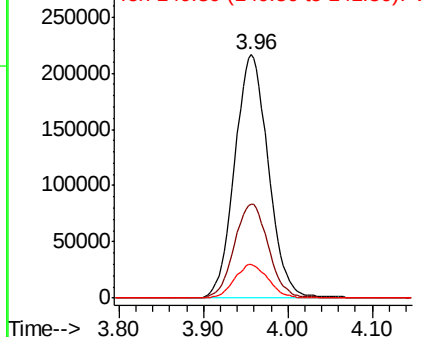


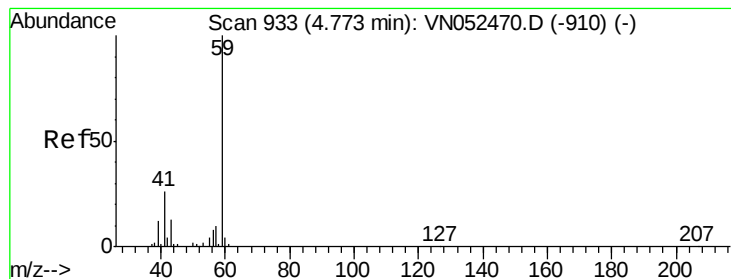
Abundance

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

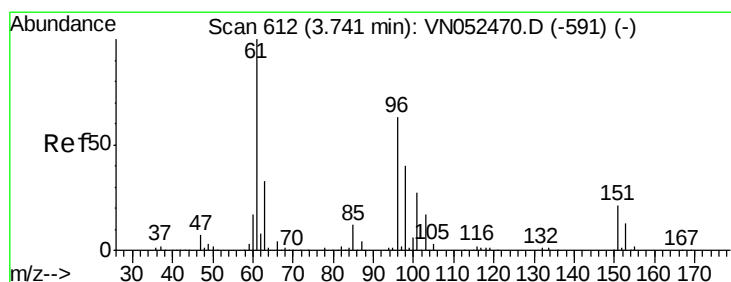
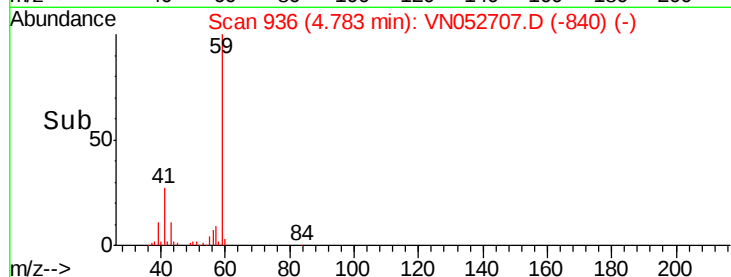
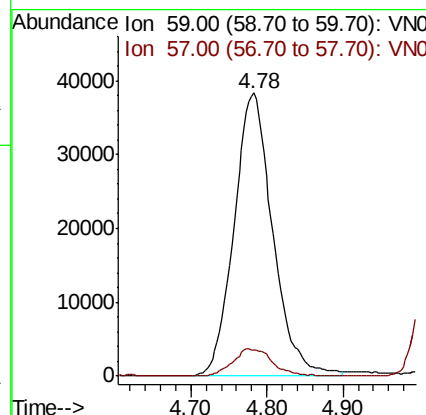
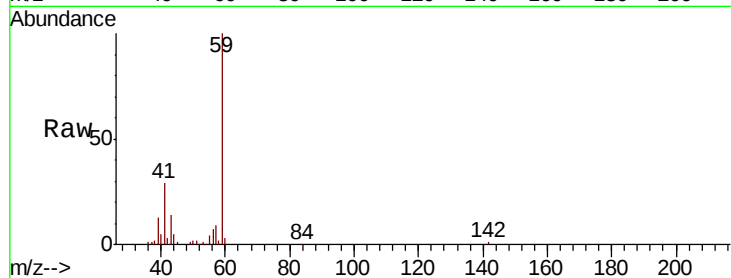
Tert butyl alcohol
Concen: 272.833 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	135527
Ion Ratio	100	Lower	Upper
57	9.7	7.9	11.9

Manual Integrations
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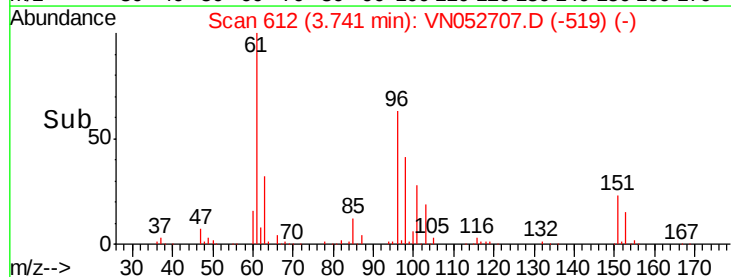
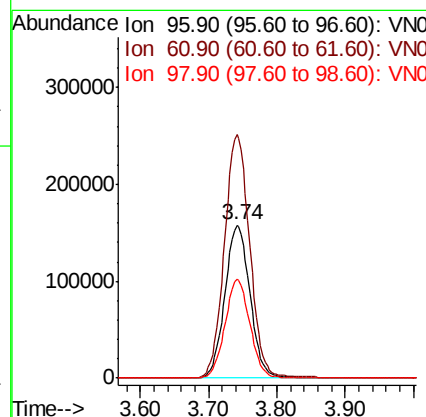
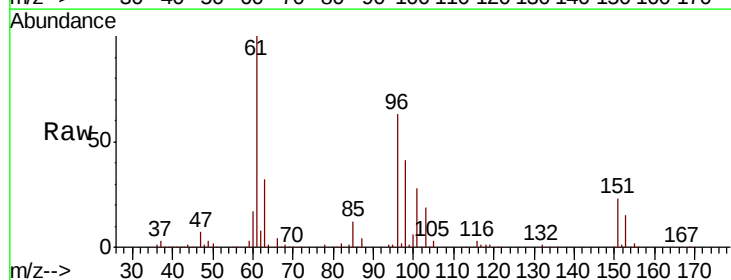
MMDadoda
12/7/2018 1:12:56 PM

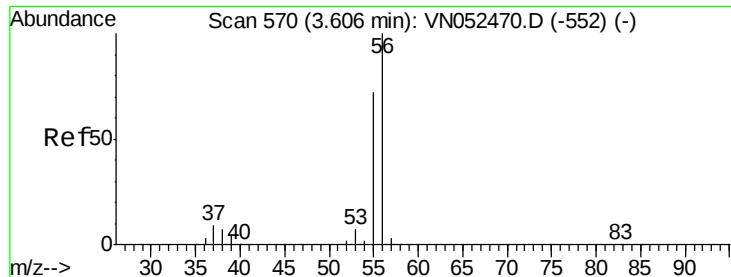


#12

1,1-Dichloroethene
Concen: 47.419 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	96	Resp	404785
Ion Ratio	100	Lower	Upper
61	158.9	127.0	190.6
98	64.4	50.3	75.5





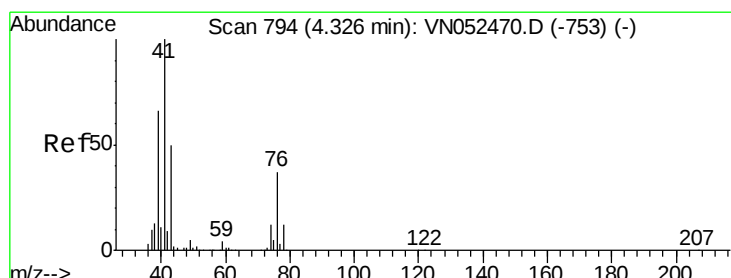
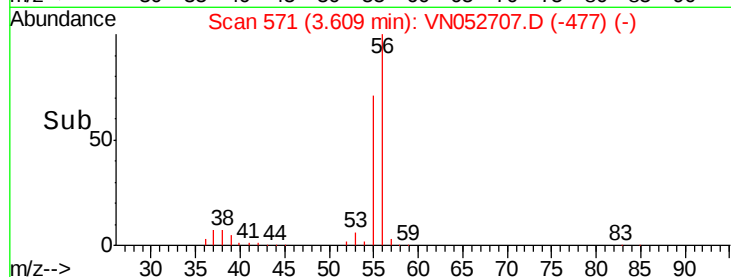
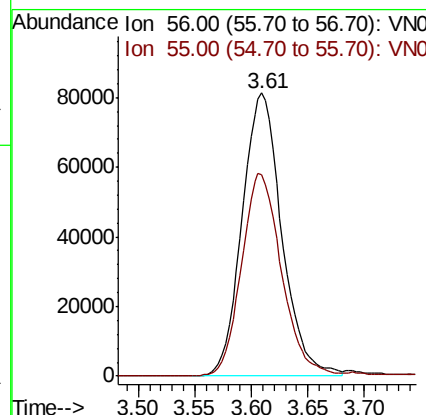
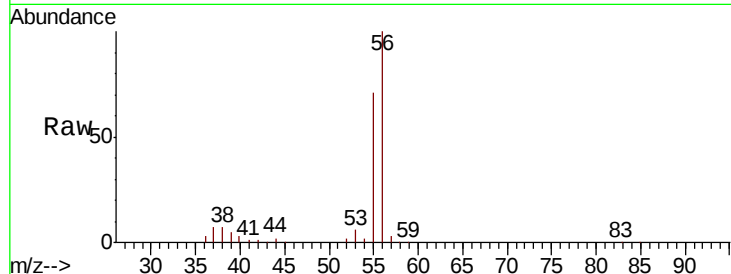
#13
Acrolein
Concen: 230.168 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Resp	198713
Ion Ratio	100	72.2	Lower	Upper
			56.8	85.2

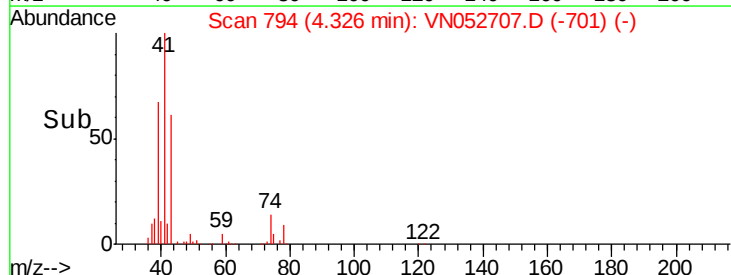
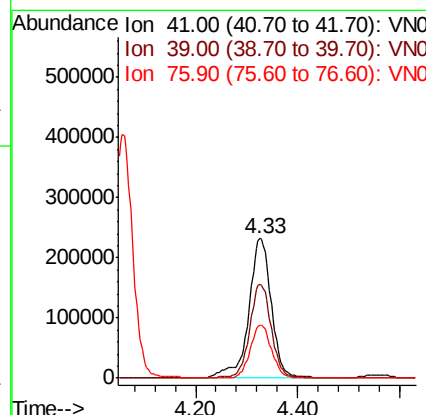
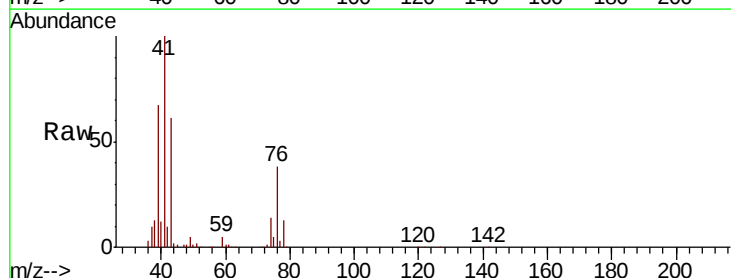
Manual Integrations
APPROVED

MMDadoda
12/7/2018 1:12:56 PM



#14
Allyl chloride
Concen: 48.934 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	41	39	76	Resp	719949
Ion Ratio	100	64.2	34.7	Lower	Upper
				50.6	76.0
				27.4	41.2





#15

Acrylonitrile

Concen: 261.904 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

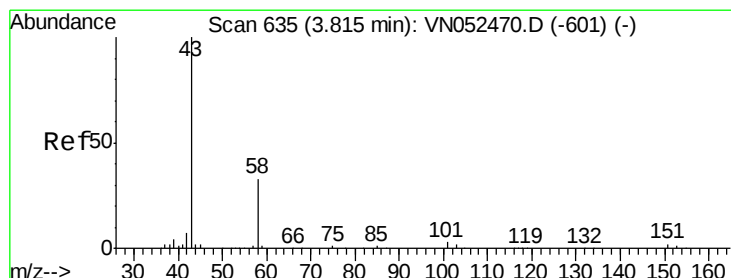
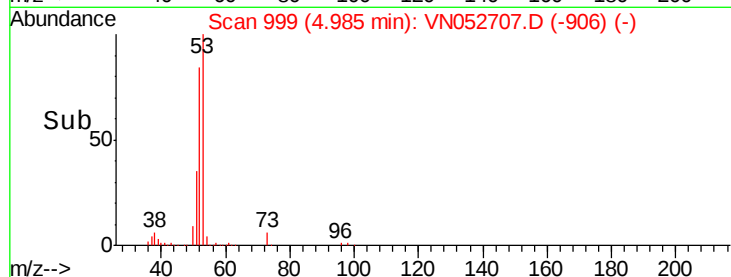
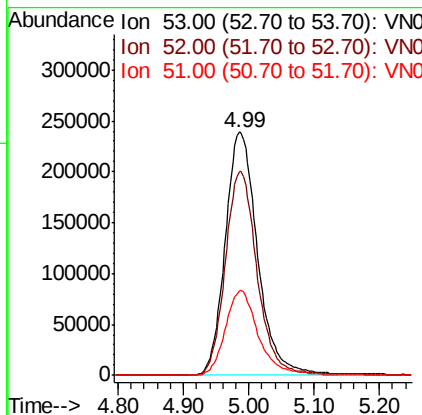
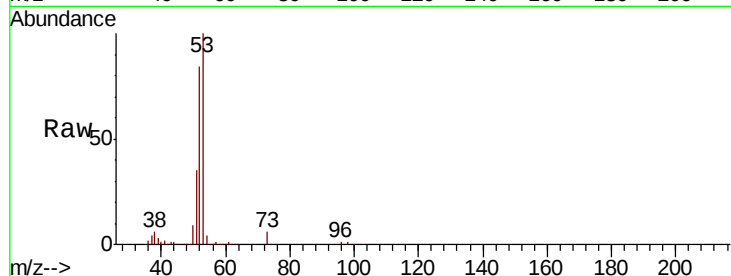
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	823538
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	35.6	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 233.426 ug/l

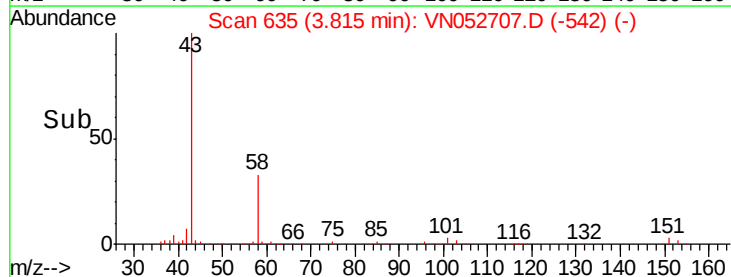
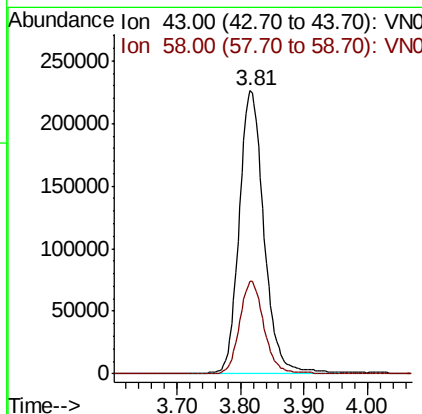
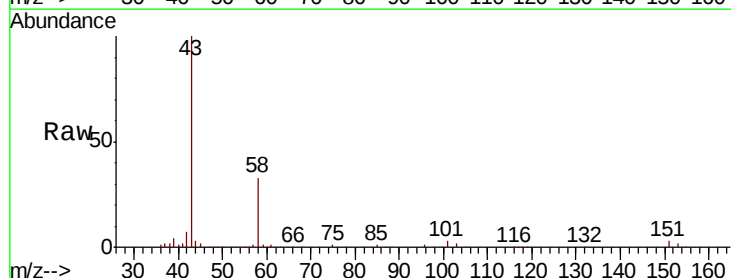
RT: 3.81 min Scan# 635

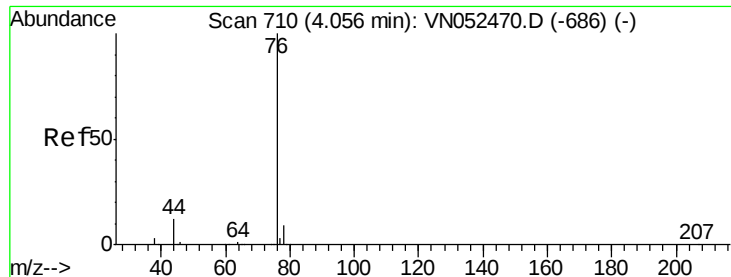
Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion:	43	Resp:	610904
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.0	39.0





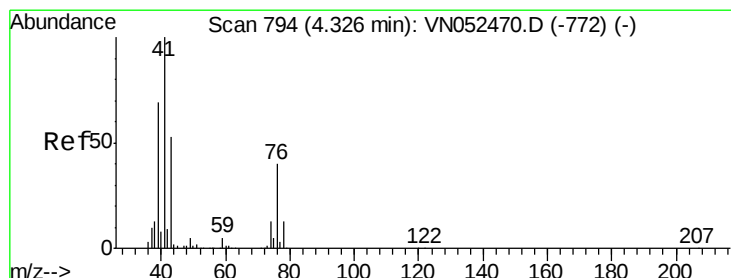
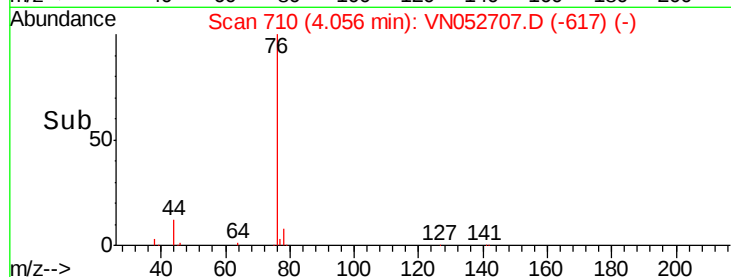
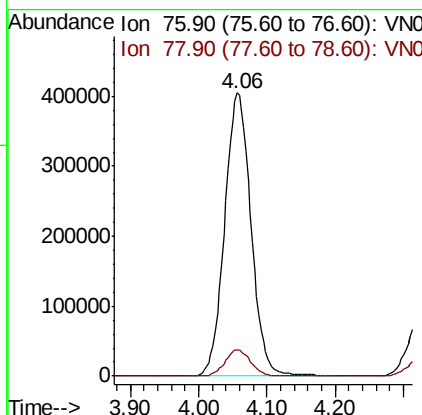
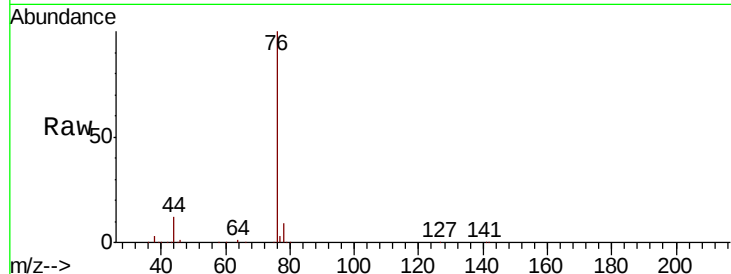
#17
Carbon Disulfide
Concen: 40.402 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1085360
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

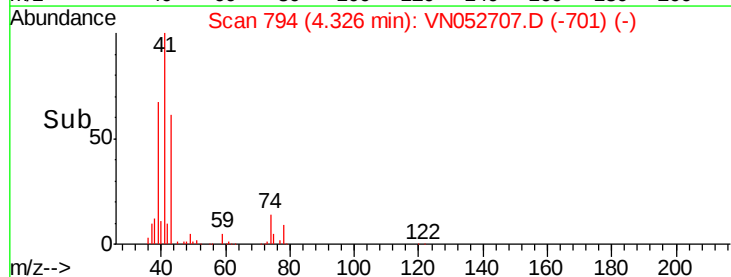
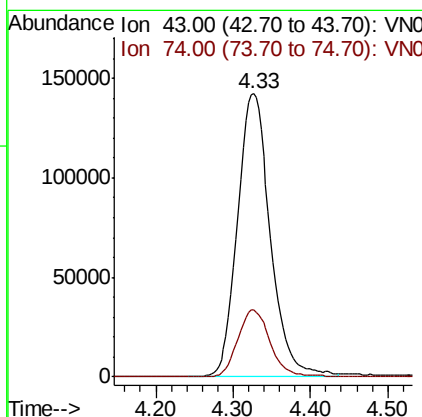
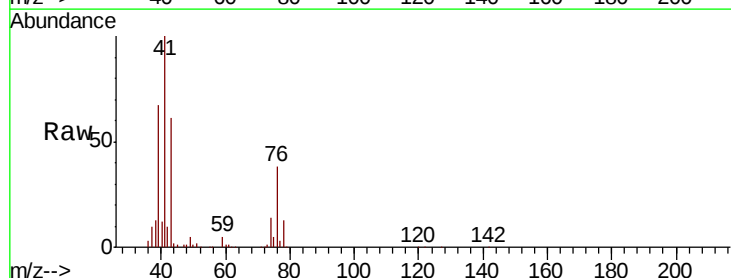
Manual Integrations
APPROVED

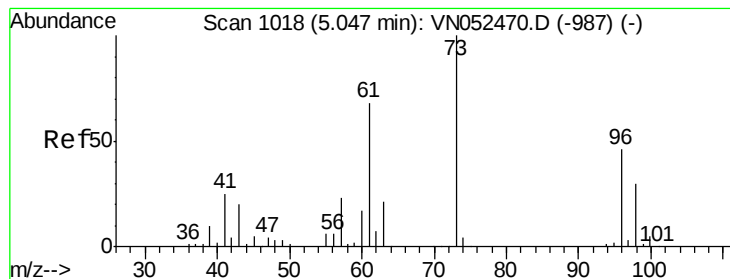
MMDadoda
12/7/2018 1:12:56 PM



#18
Methyl Acetate
Concen: 55.538 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion: 43 Resp: 416929
Ion Ratio Lower Upper
43 100
74 23.3 18.6 27.8





#19

Methyl tert-butyl Ether

Concen: 52.032 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tot Ion: 73 Resp: 1181770

Ion Ratio Lower Upper

73 100

57 22.9 18.2 27.2

Instrument :

MSVOA_N

ClientSampleId :

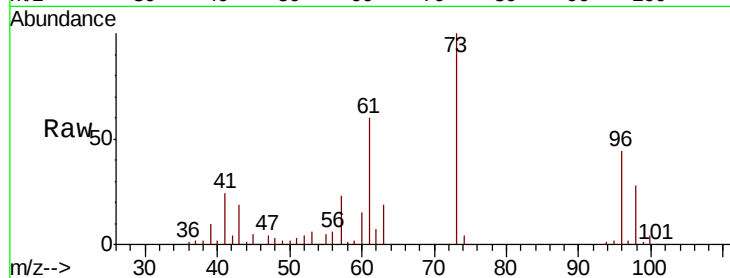
VSTDCCC050EC

Manual Integrations

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12/7/2018 1:12:56 PM



Abundance Ion 73.00 (72.70 to 73.70): VN052707.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN052707.D (-987) (-)

5.05

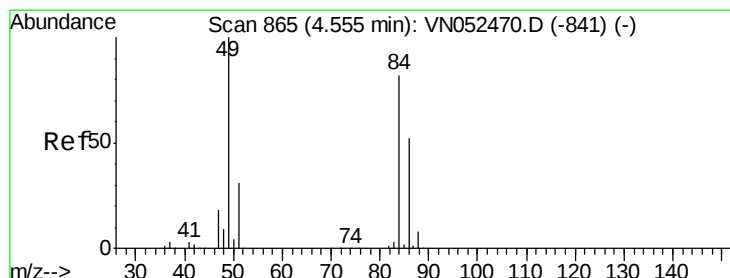
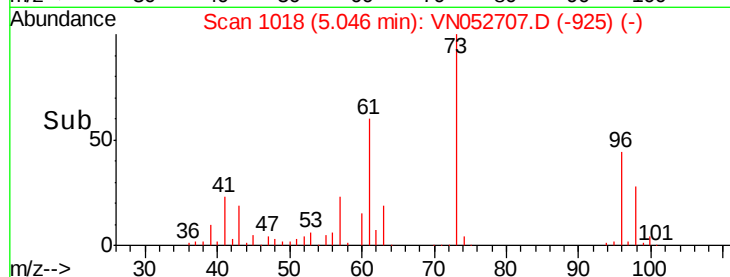
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 47.606 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion: 84 Resp: 487558

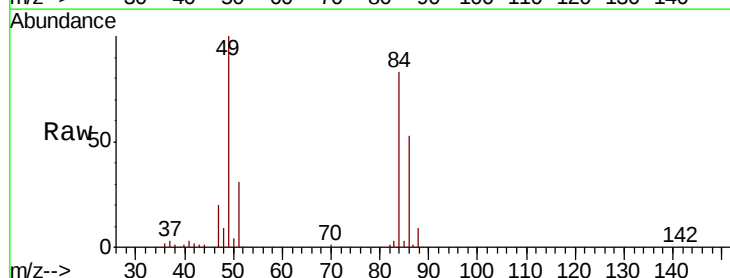
Ion Ratio Lower Upper

84 100

49 121.1 98.0 147.0

51 37.3 30.1 45.1

86 64.1 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN052707.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN052707.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN052707.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN052707.D (-841) (-)

4.55

300000

250000

200000

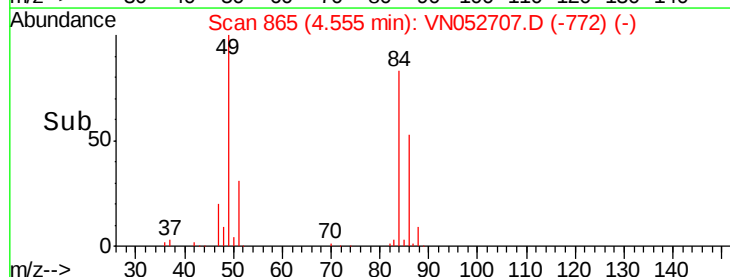
150000

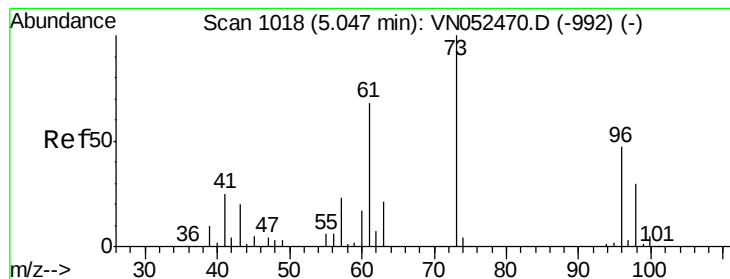
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 47.831 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 436079

Ion Ratio Lower Upper

96 100

61 138.1 117.0 175.4

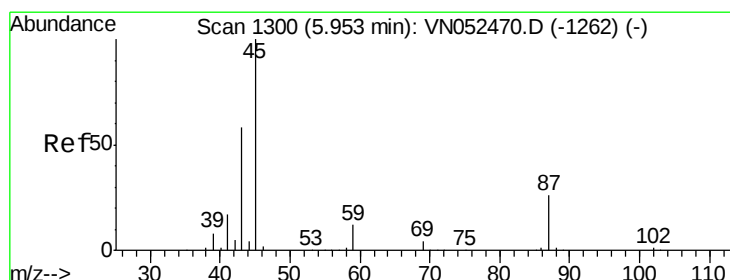
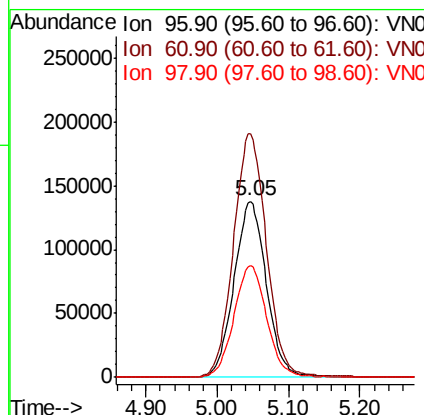
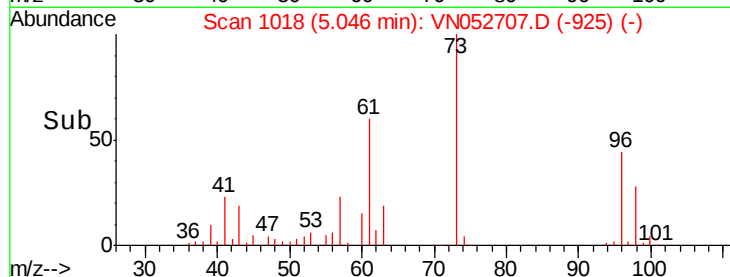
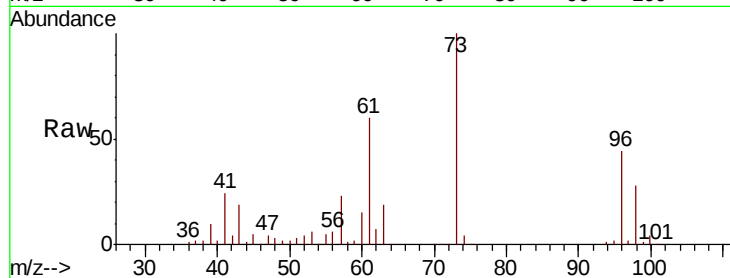
98 63.3 51.8 77.6

Manual Integrations

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12/7/2018 1:12:56 PM



#22

Diisopropyl ether

Concen: 50.373 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion: 45 Resp: 1556745

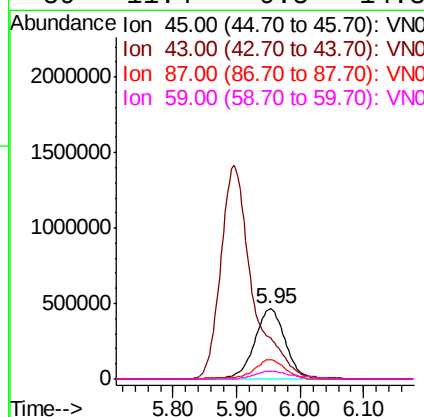
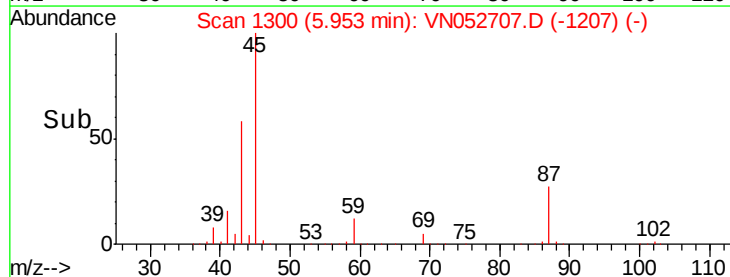
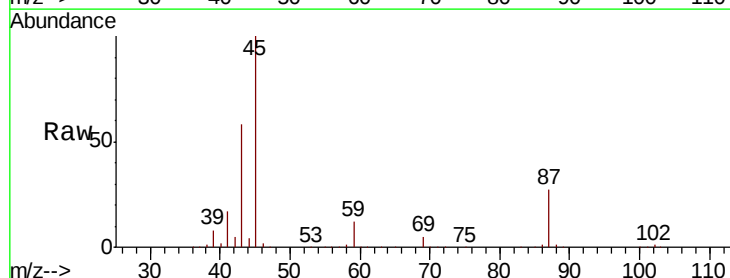
Ion Ratio Lower Upper

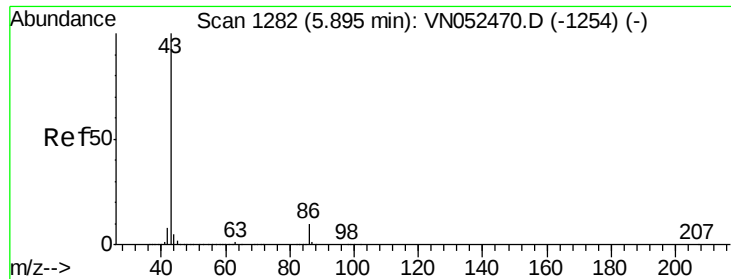
45 100

43 57.7 46.1 69.1

87 27.4 21.3 31.9

59 11.4 9.5 14.3





#23

Vinyl Acetate

Concen: 254.263 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4894260

Ion Ratio Lower Upper

43 100

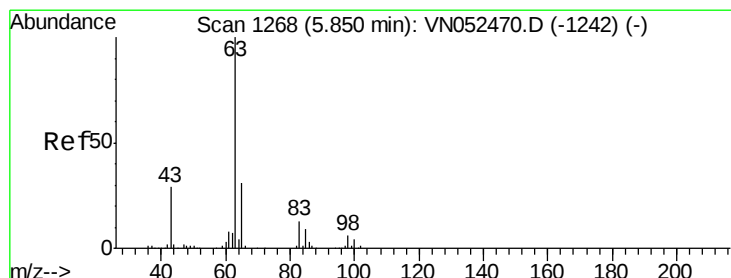
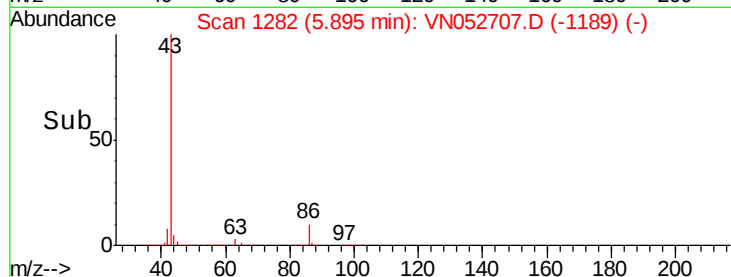
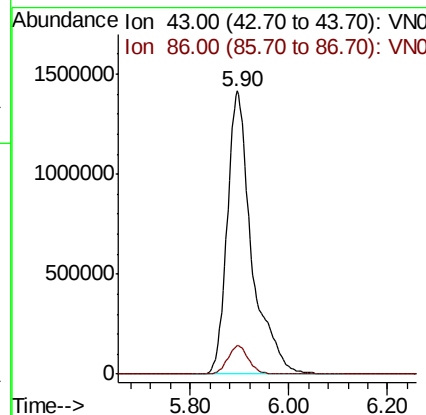
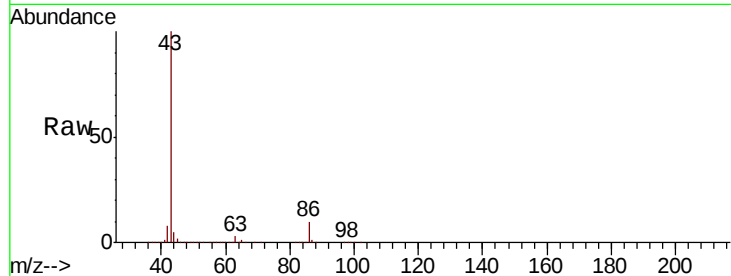
86 10.0 7.8 11.8

Manual Integrations

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MMDadoda

12/7/2018 1:12:56 PM



#24

1,1-Dichloroethane

Concen: 49.502 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

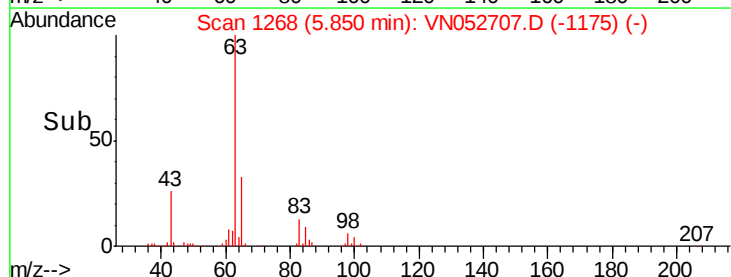
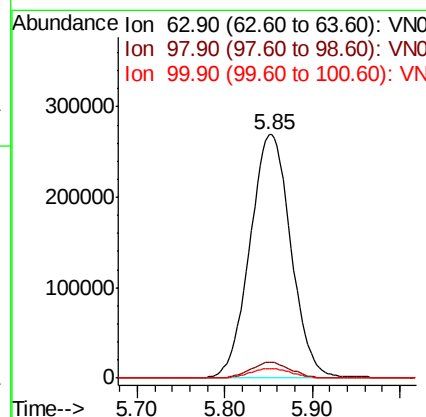
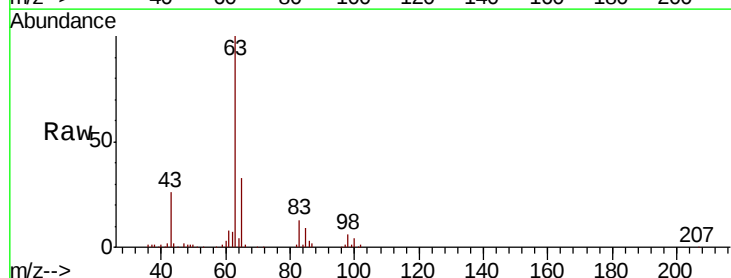
Tgt Ion: 63 Resp: 873472

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 3.9 2.0 5.8





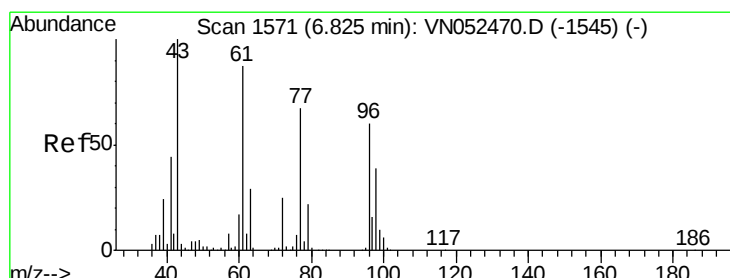
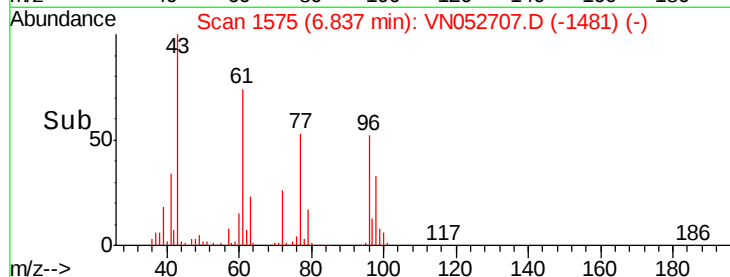
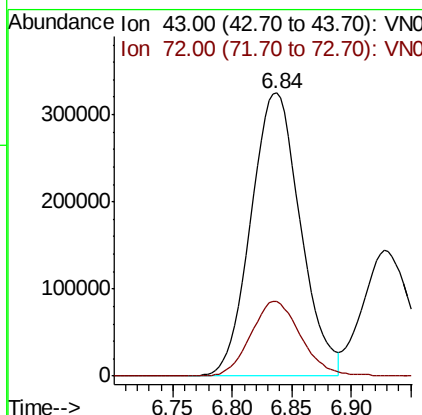
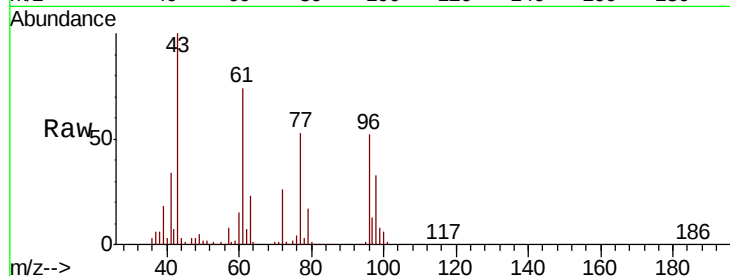
#25
2-Butanone
Concen: 251.773 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 933950
Ion Ratio Lower Upper
43 100
72 26.4 20.1 30.1

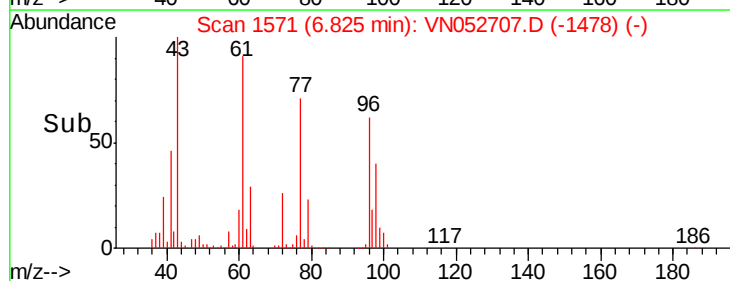
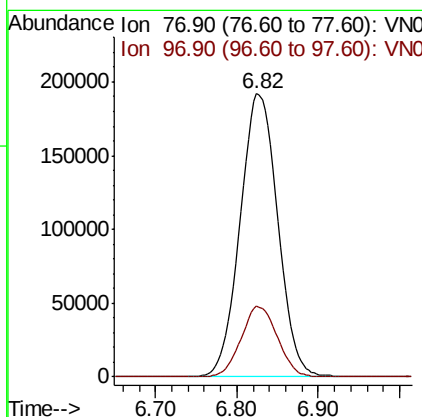
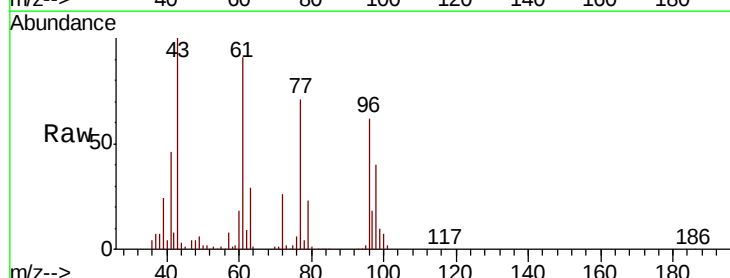
Manual Integrations
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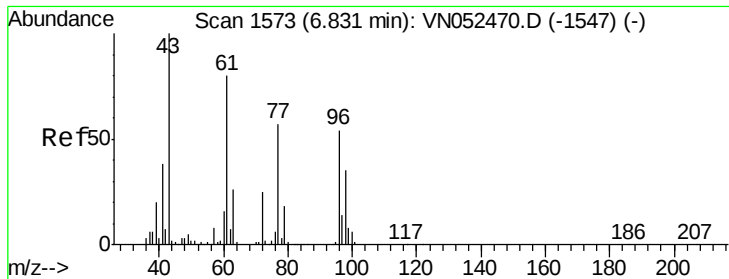
MMDadoda
12/7/2018 1:12:56 PM



#26
2,2-Dichloropropane
Concen: 50.239 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion: 77 Resp: 613594
Ion Ratio Lower Upper
77 100
97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 49.396 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

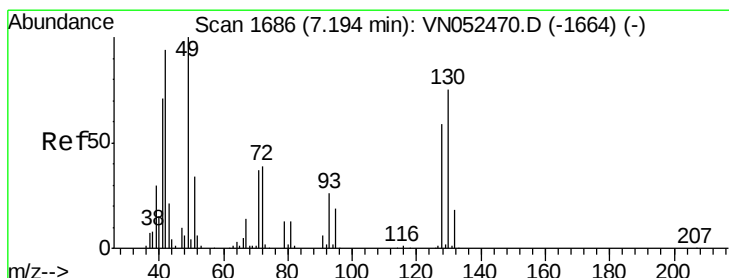
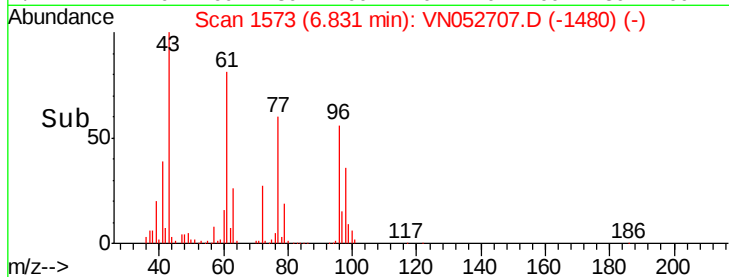
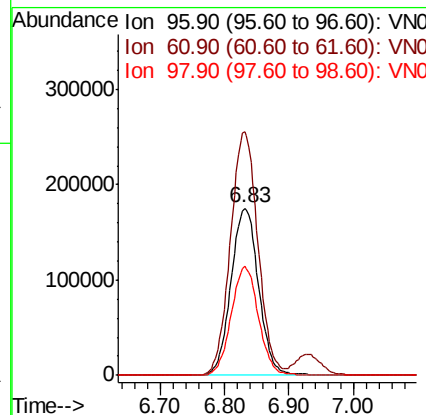
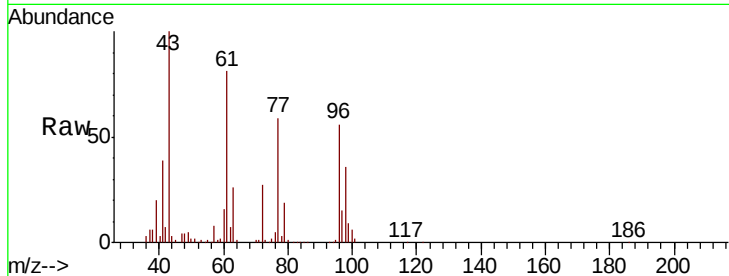
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	524603
Ion Ratio	Lower	Upper	
96	100		
61	144.3	0.0	291.0
98	64.4	0.0	130.0

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12/7/2018 1:12:56 PM



#28

Bromochloromethane

Concen: 50.080 ug/l

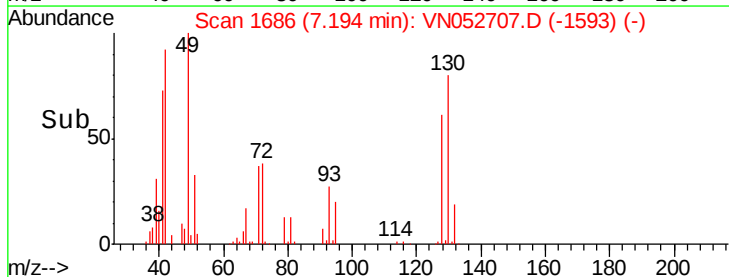
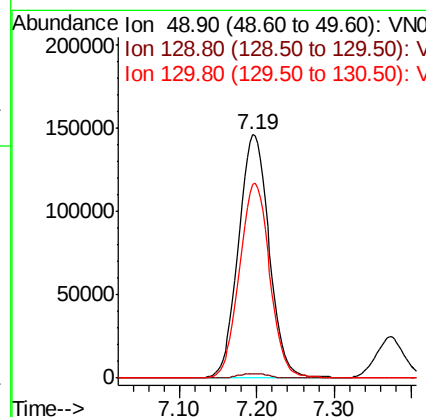
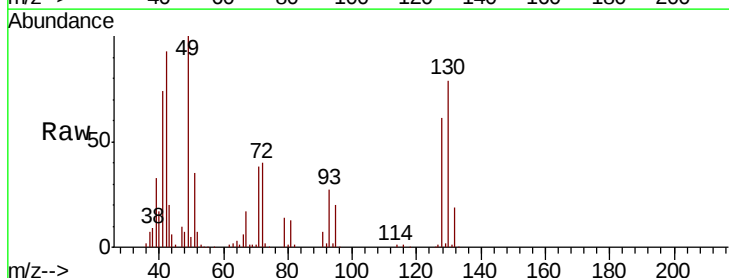
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion:	49	Resp:	403617
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.8
130	79.2	60.2	90.2





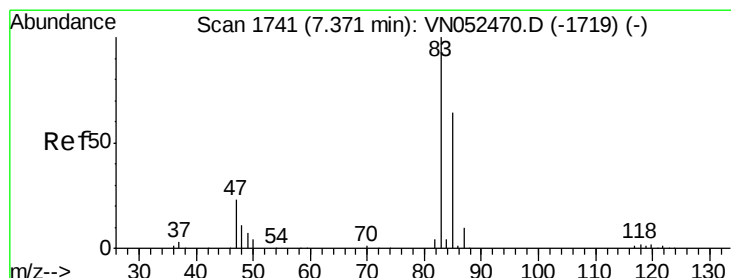
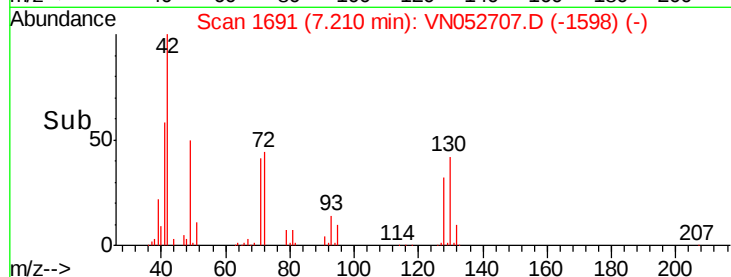
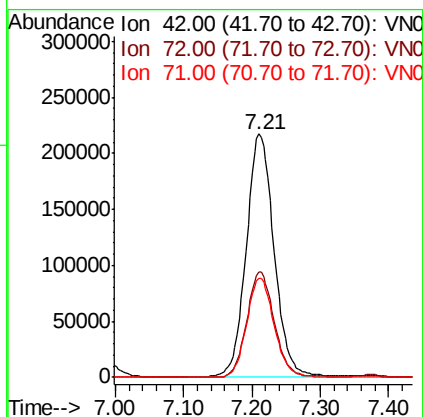
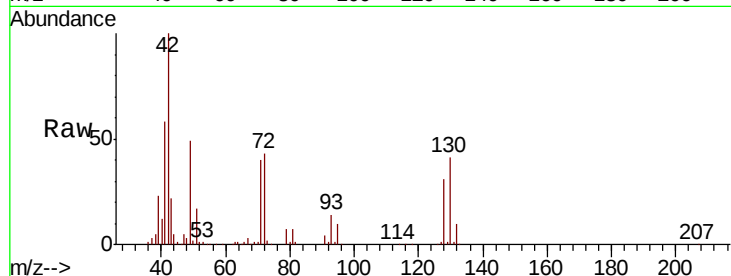
#29
Tetrahydrofuran
Concen: 257.807 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.3	49.9
71	40.0	32.0	48.0

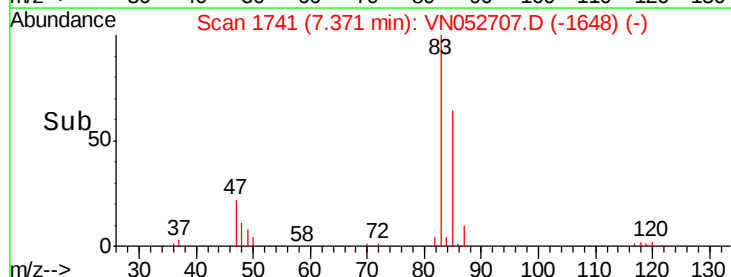
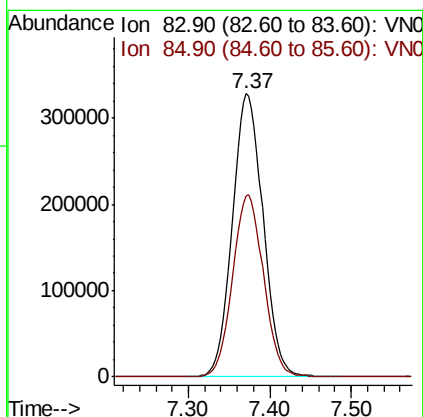
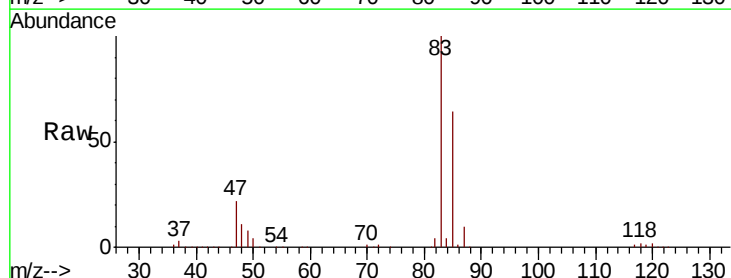
Manual Integrations
APPROVED

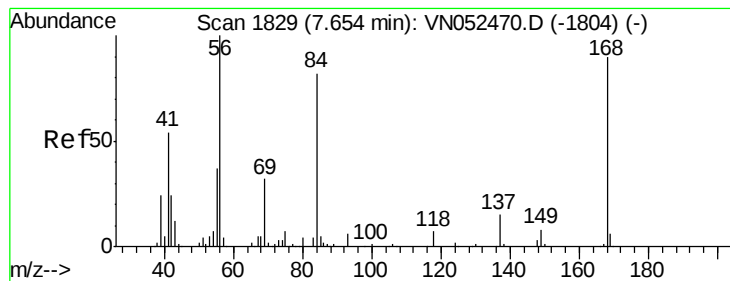
MMDadoda
12/7/2018 1:12:56 PM



#30
Chloroform
Concen: 48.941 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.4





#31

Cyclohexane

Concen: 44.955 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 768398

Ion Ratio Lower Upper

56 100

69 32.7 25.8 38.6

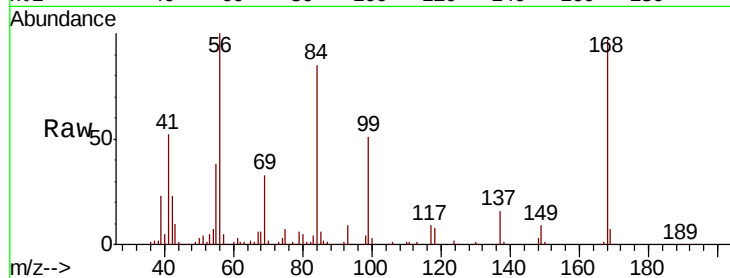
84 84.0 65.3 97.9

Manual Integrations

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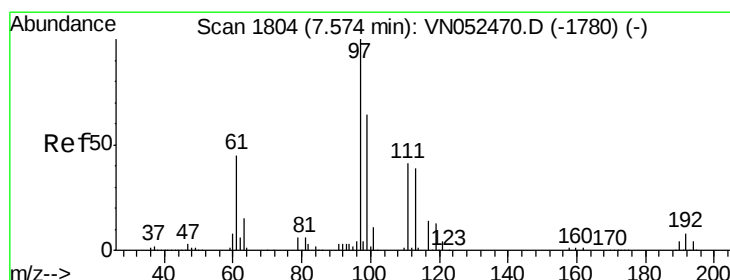
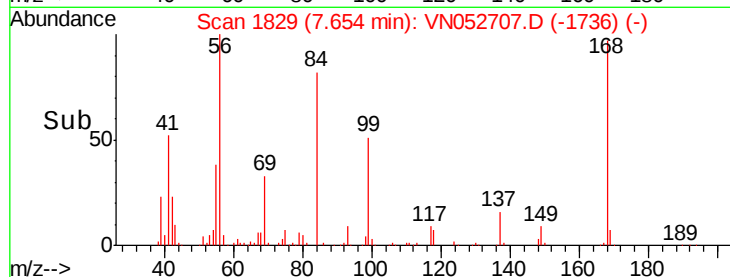
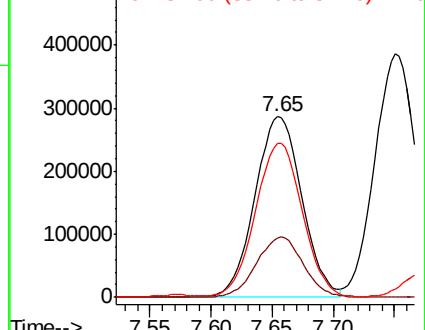


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 50.573 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

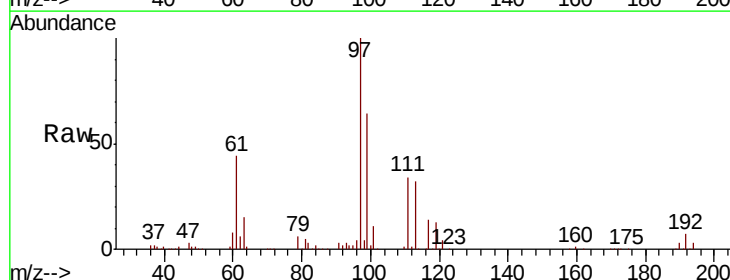
Tgt Ion: 97 Resp: 705404

Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 45.1 36.8 55.2

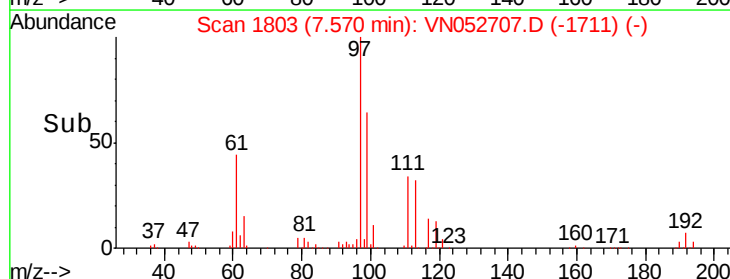
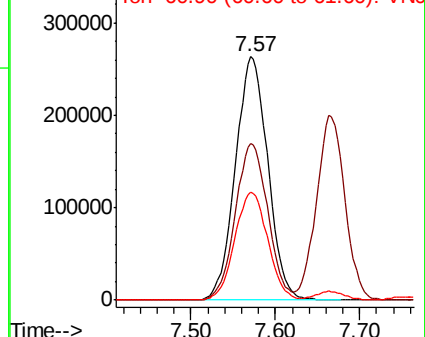


Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





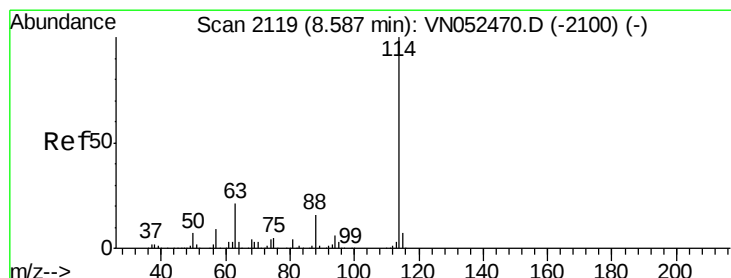
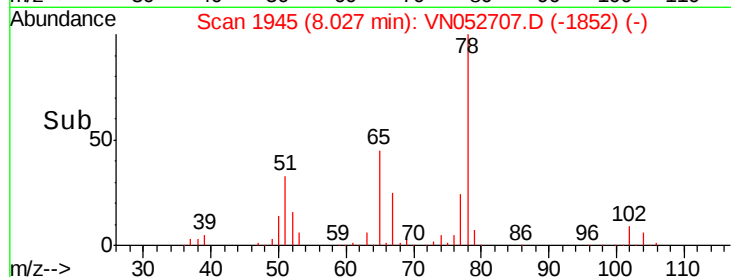
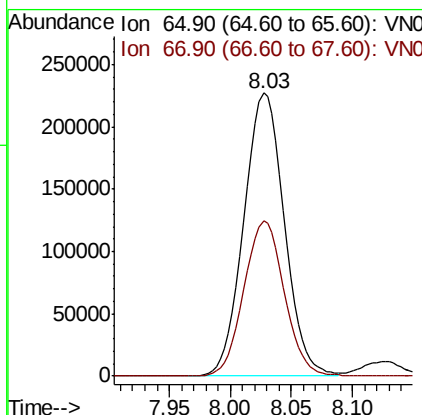
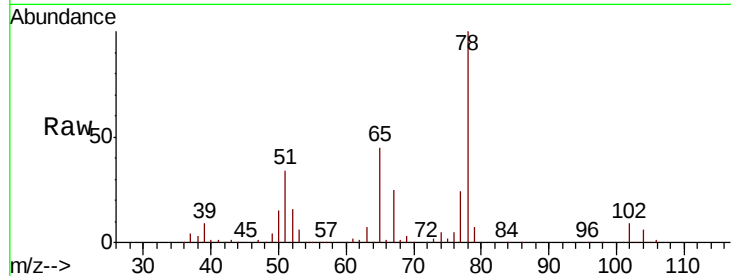
#33
 1,2-Dichloroethane-d4
 Concen: 50.573 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052707.D
 Acq: 6 Dec 2018 19:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	522480		
67	54.6	0.0	109.8	

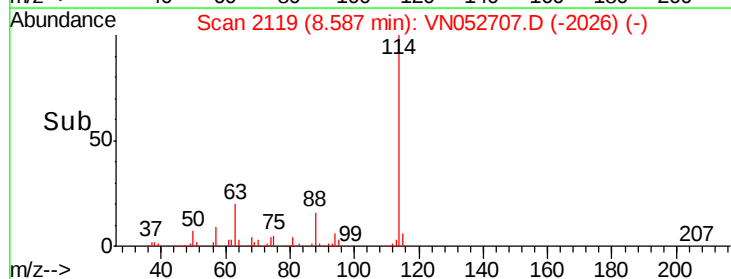
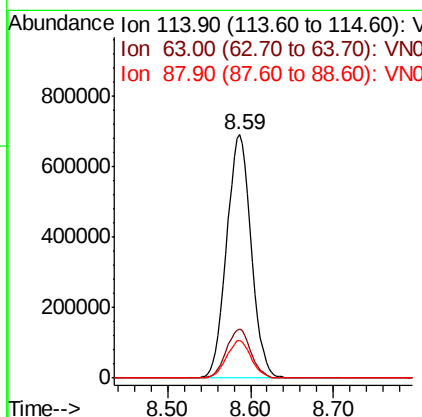
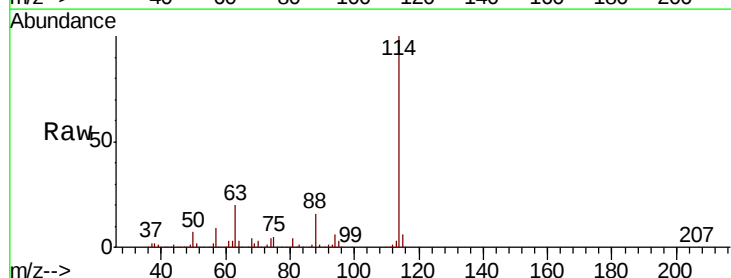
Manual Integrations
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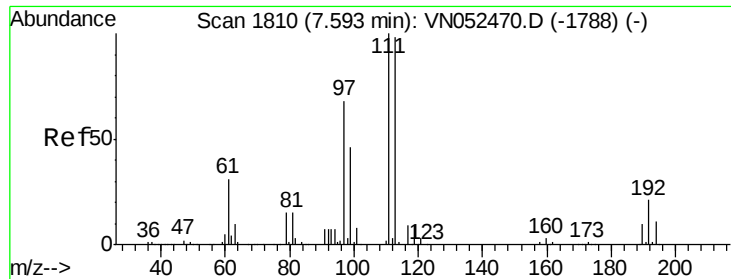
MMDadoda
 12/7/2018 1:12:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052707.D
 Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1420496		
63	20.2	0.0	41.8	
88	15.5	0.0	31.6	





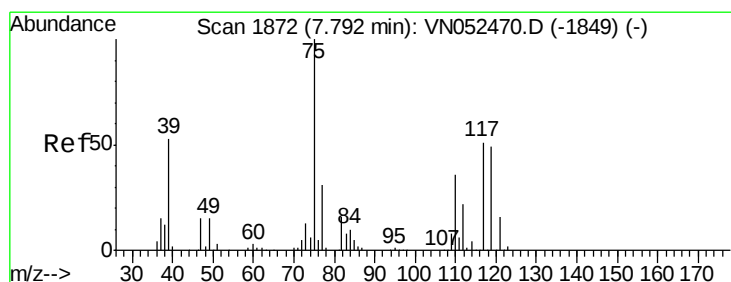
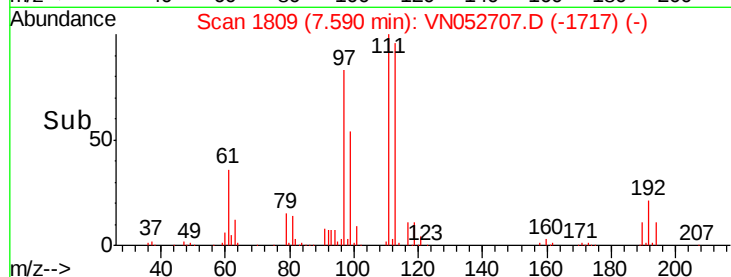
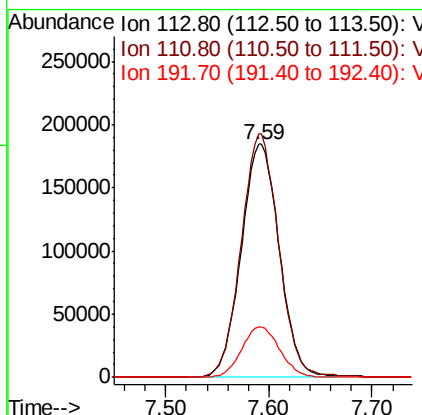
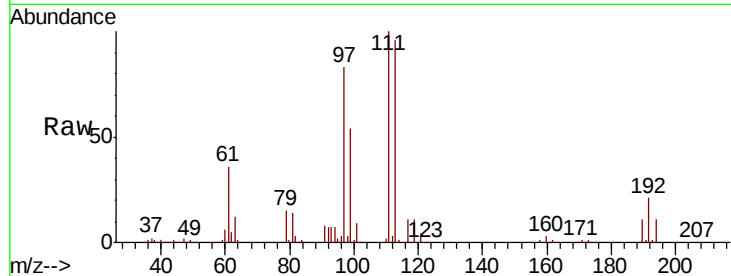
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	474257		
111	103.1	82.0	123.0	
192	21.7	17.0	25.6	

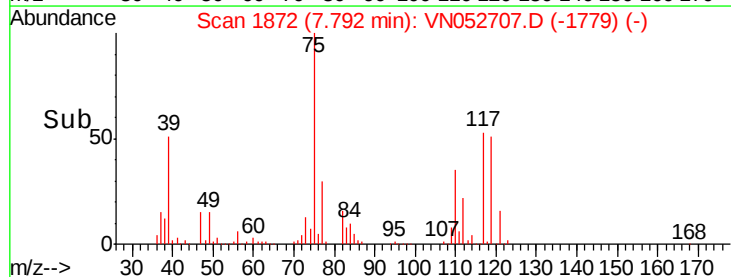
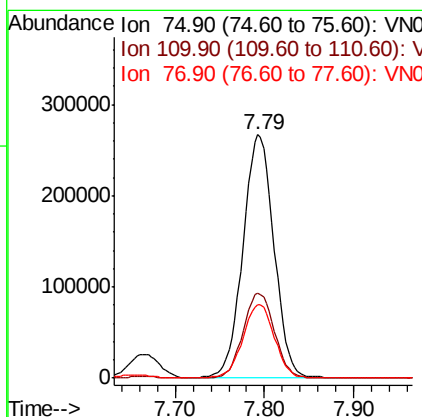
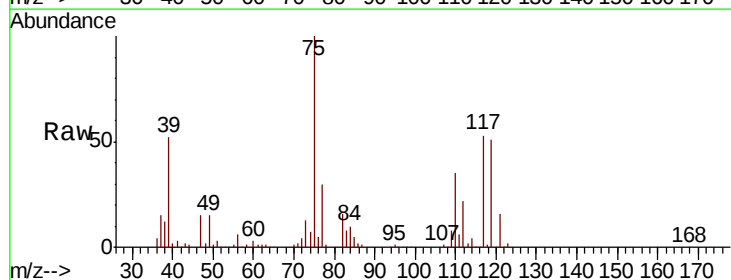
Manual Integrations
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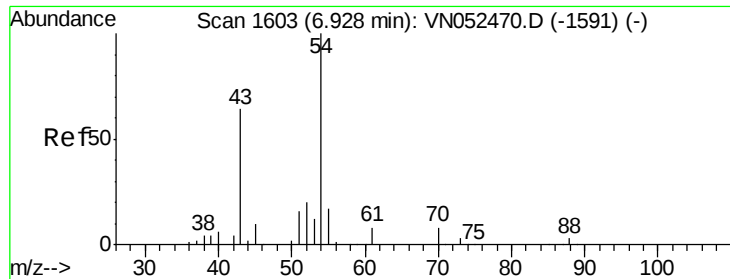
MMDadoda
12/7/2018 1:12:56 PM



#36
1,1-Dichloropropene
Concen: 48.052 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	644576		
110	35.3	17.5	52.6	
77	31.0	24.5	36.7	





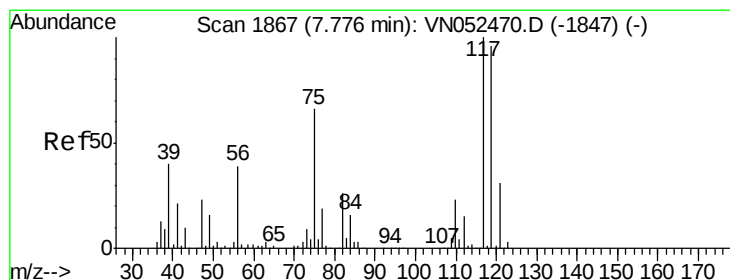
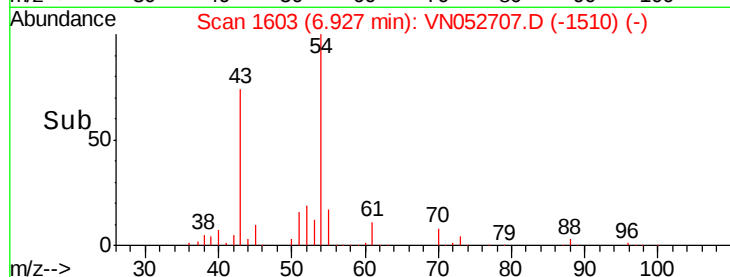
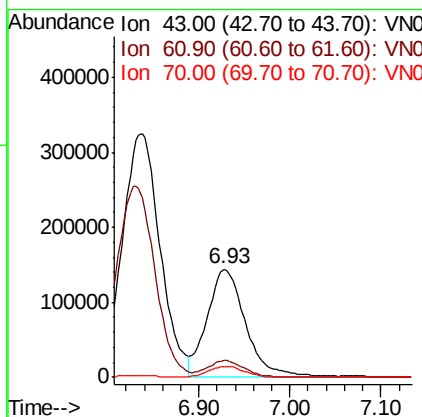
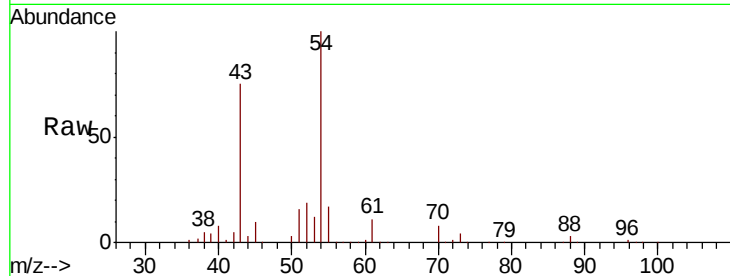
#37
Ethyl Acetate
Concen: 50.808 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	14.4	9.8
Lower		11.8	7.8
Upper		17.8	11.8

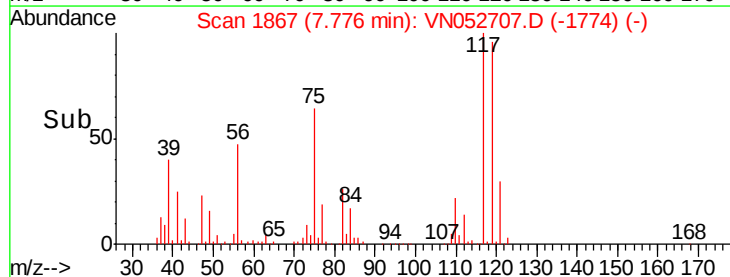
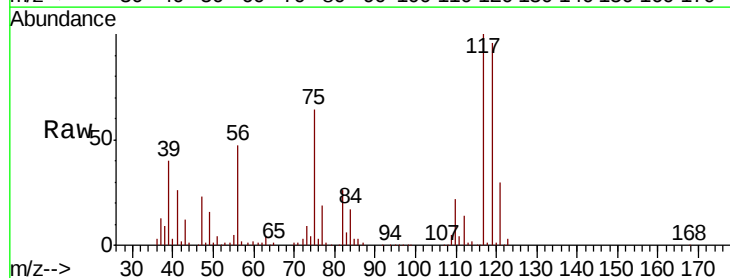
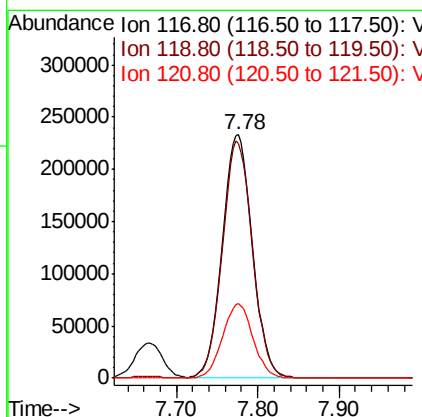
Manual Integrations
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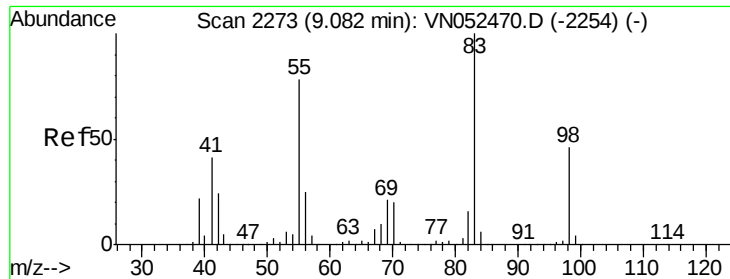
MMDadoda
12/7/2018 1:12:56 PM



#38
Carbon Tetrachloride
Concen: 49.974 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	96.2	30.5
Lower		76.8	24.9
Upper		115.2	37.3





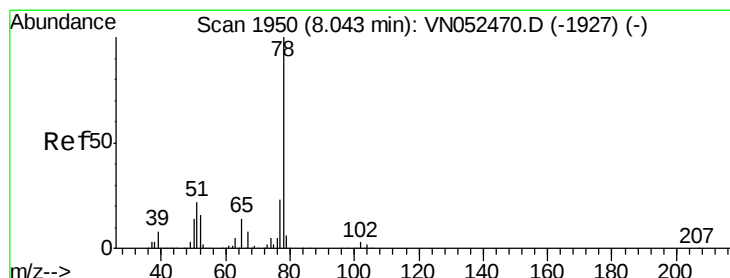
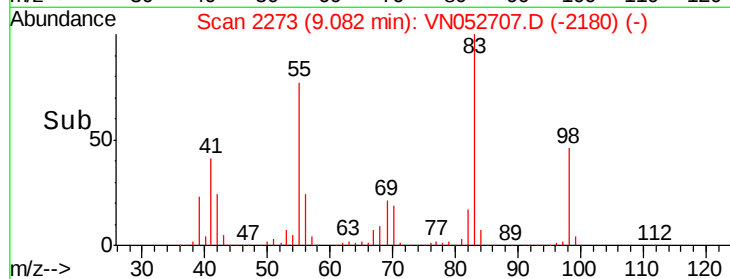
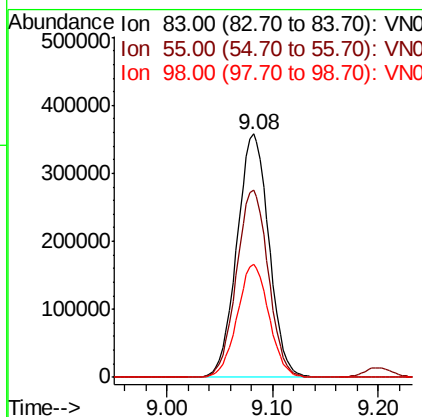
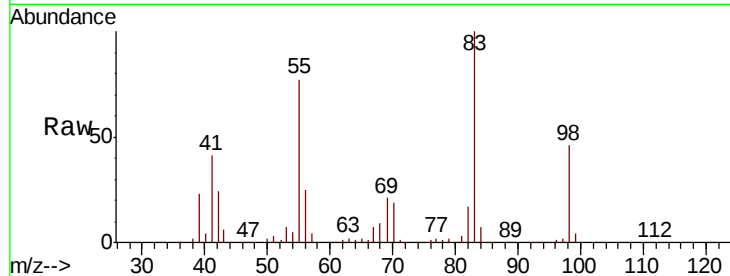
#39
Methvlcvclohexane
Concen: 46.289 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	62.2	93.2
98	46.3	36.4	54.6

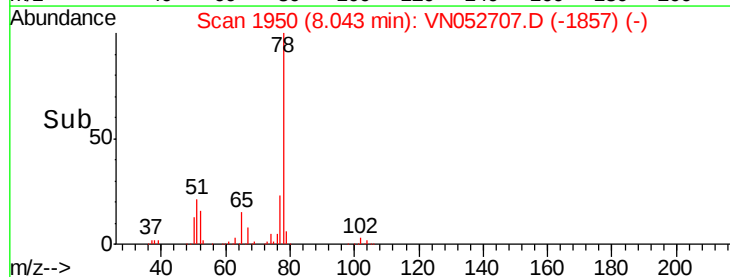
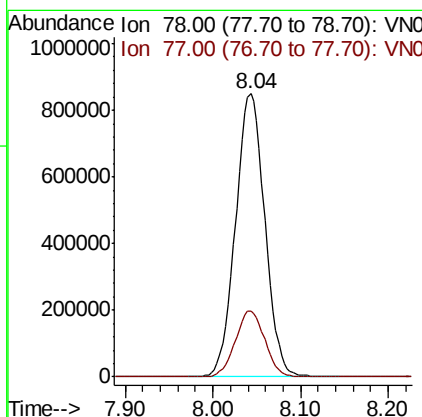
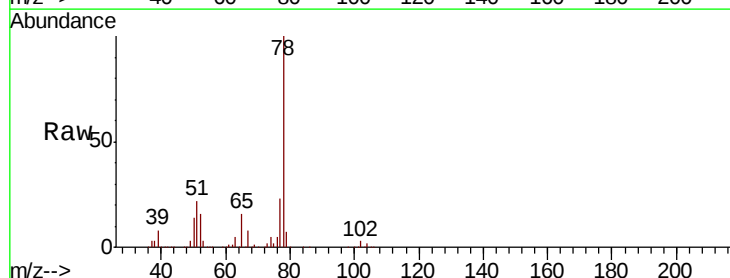
Manual Integrations
APPROVED

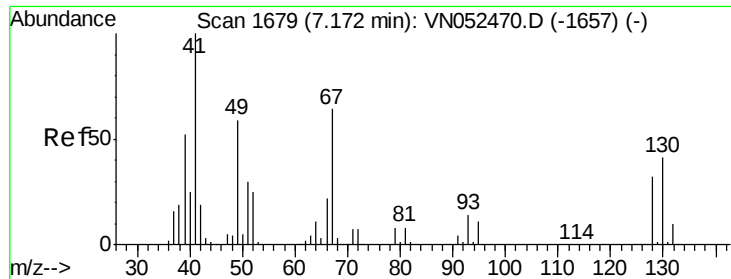
MMDadoda
12/7/2018 1:12:56 PM



#40
Benzene
Concen: 49.408 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





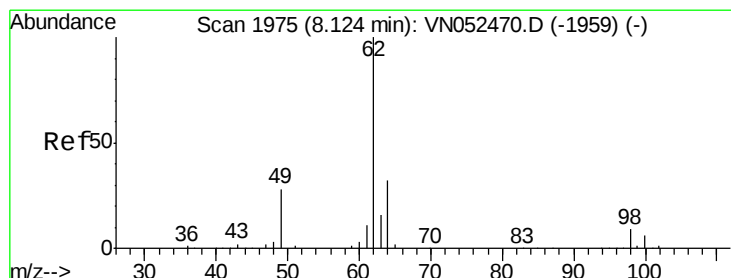
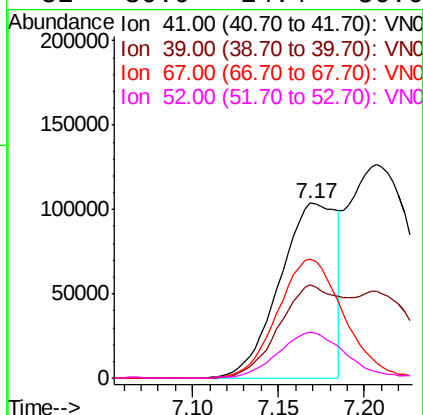
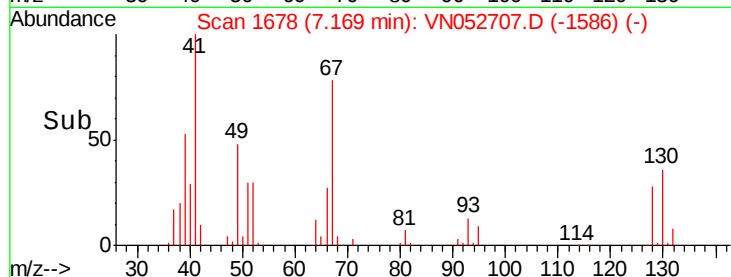
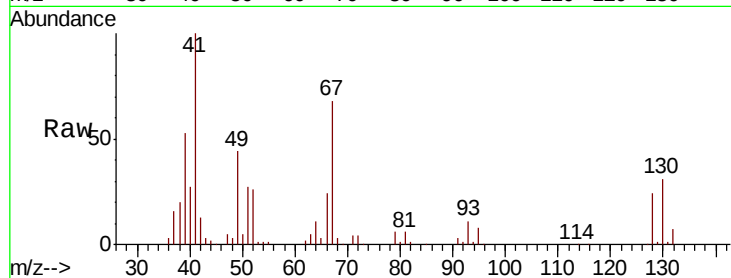
#41
Methacrylonitrile
Concen: 53.253 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	238342
Ion	Ratio	Lower	Upper
41	100		
39	59.5	50.9	76.3
67	80.4	63.6	95.4
52	30.9	24.4	36.6

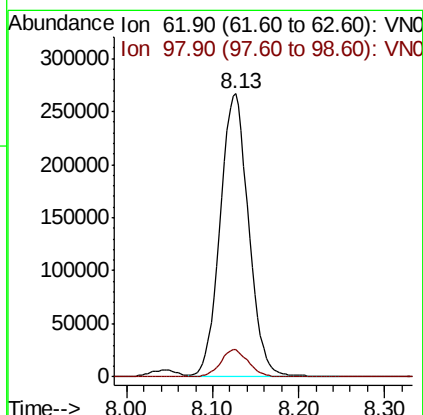
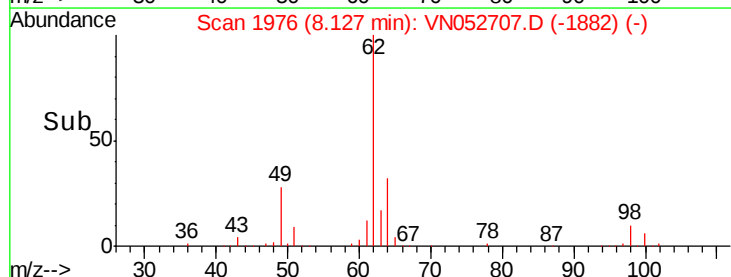
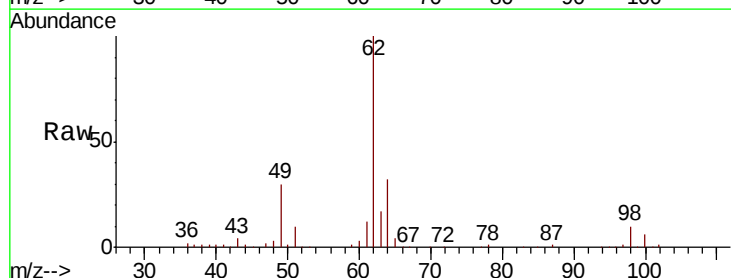
Manual Integrations
APPROVED

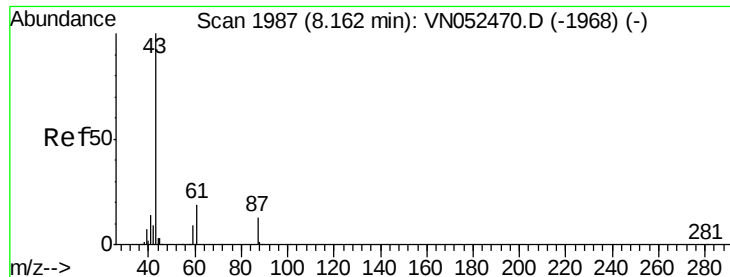
MMDadoda
12/7/2018 1:12:56 PM



#42
1,2-Dichloroethane
Concen: 50.752 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion:	62	Resp:	614326
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6





#43

Isopropyl Acetate

Concen: 54.127 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

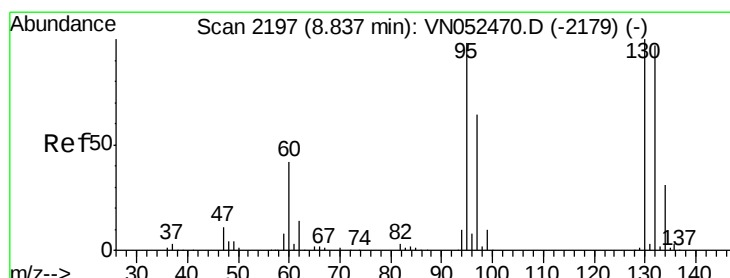
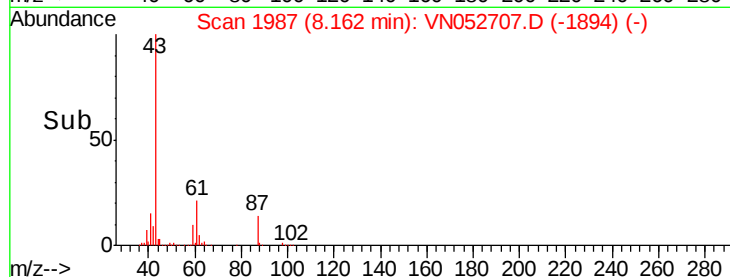
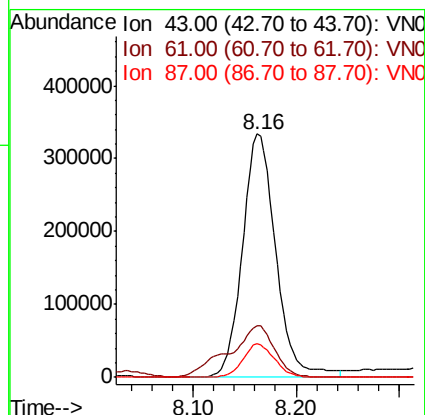
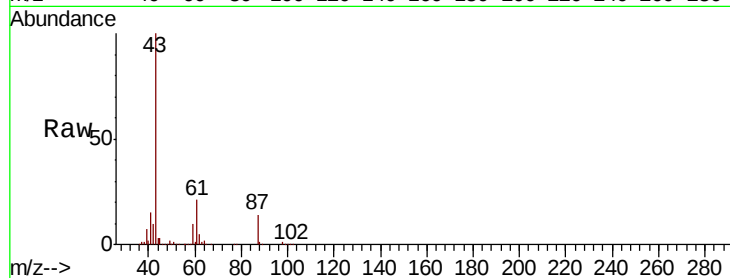
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	749878
Ion	Ratio	Lower	Upper
43	100		
61	29.1	24.1	36.1
87	13.1	10.6	15.8

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#44

Trichloroethene

Concen: 50.005 ug/l

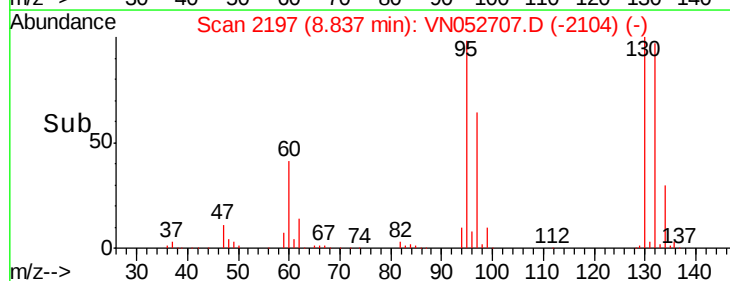
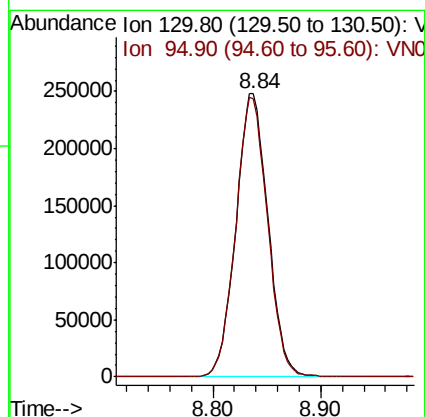
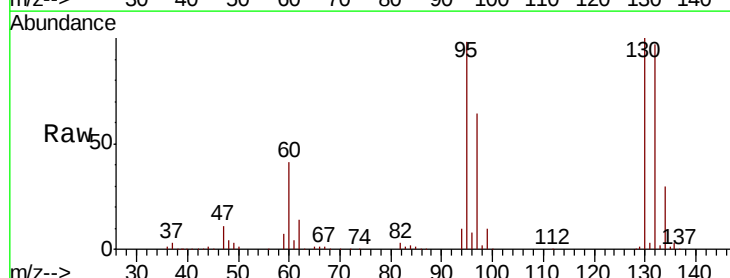
RT: 8.84 min Scan# 2197

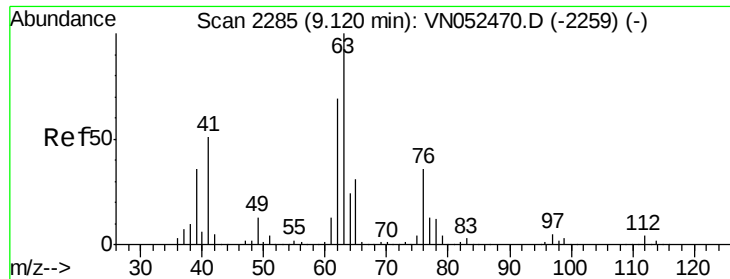
Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion:	130	Resp:	512051
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	195.6





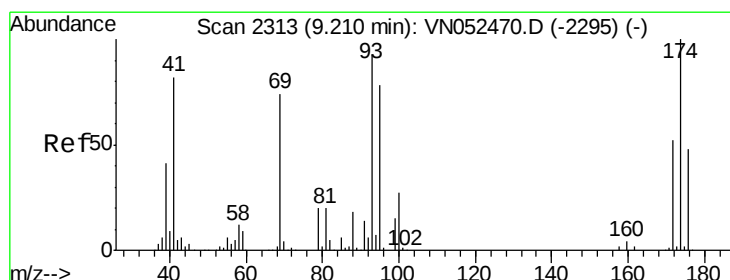
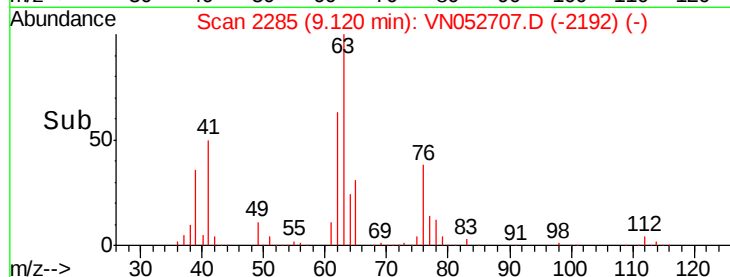
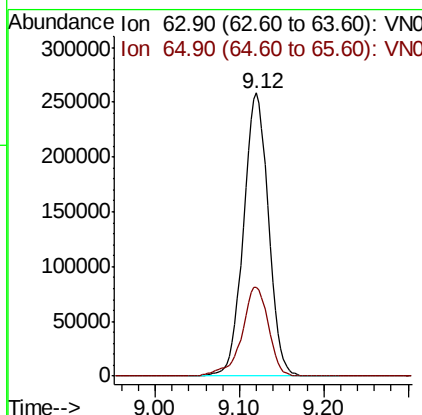
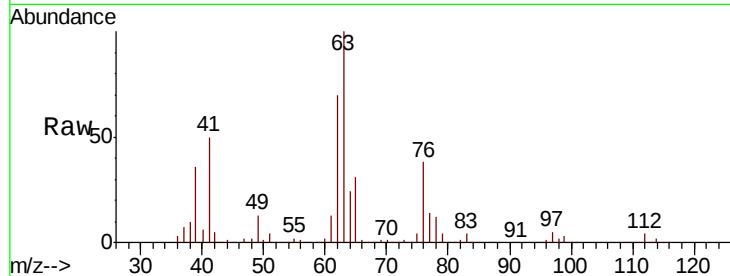
#45
 1,2-Dichloropropane
 Concen: 50.140 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052707.D
 Acq: 6 Dec 2018 19:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 532902
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.6

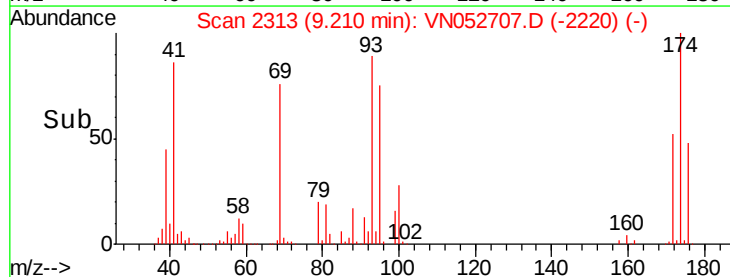
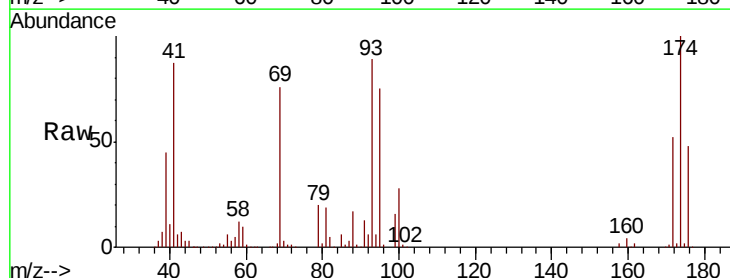
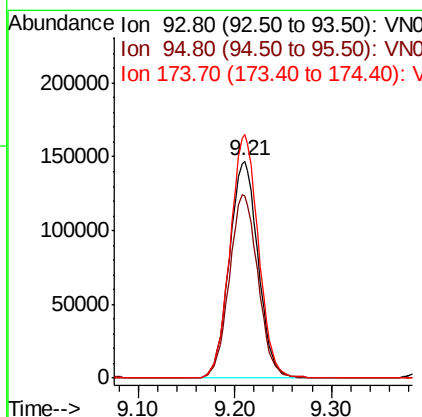
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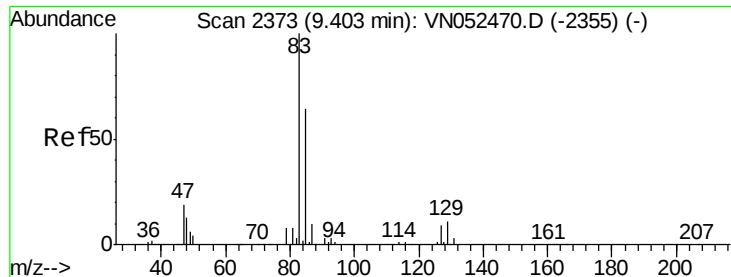
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 12/7/2018 1:12:56 PM



#46
 Dibromomethane
 Concen: 51.668 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052707.D
 Acq: 6 Dec 2018 19:06

Tgt Ion: 93 Resp: 303997
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.1 100.7
 174 110.4 85.8 128.8





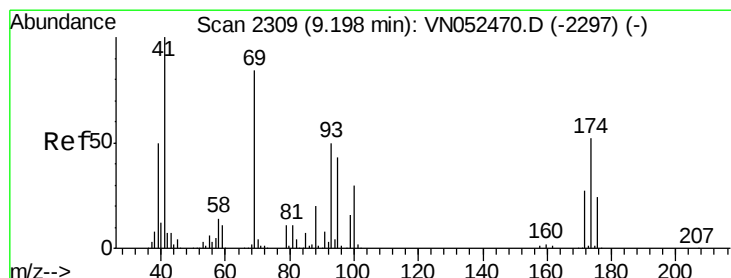
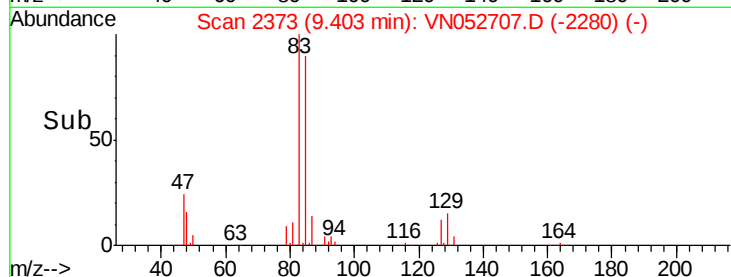
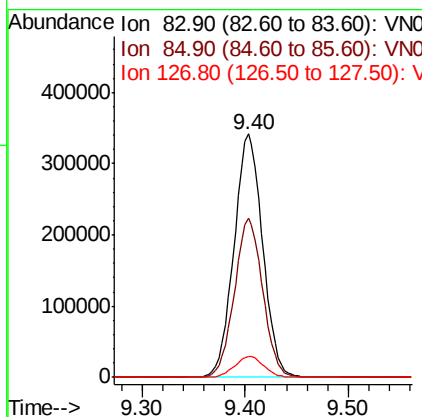
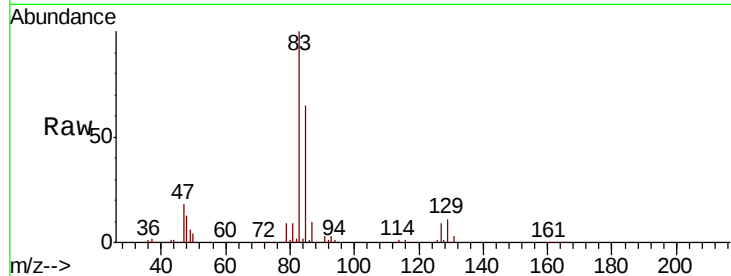
#47
Bromodichloromethane
Concen: 51.607 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	660168		
85	65.2		51.3	76.9
127	8.7		6.9	10.3

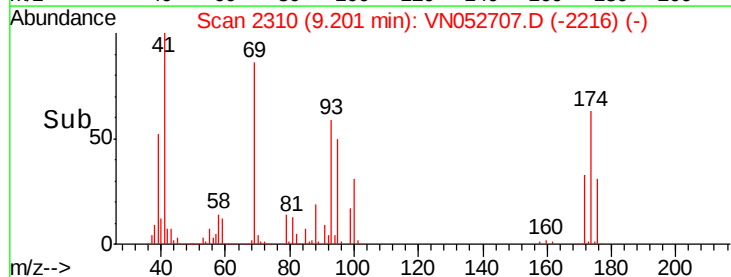
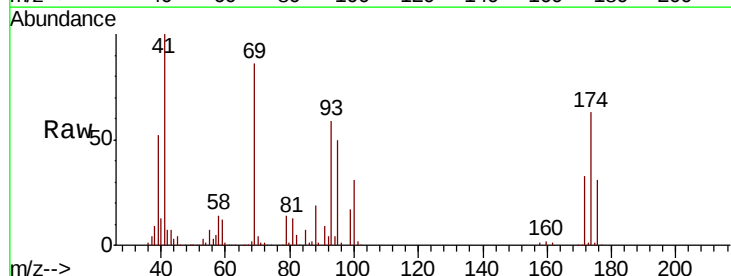
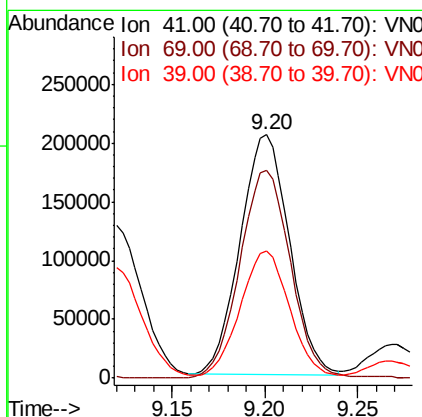
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#48
Methyl methacrylate
Concen: 52.382 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	378406		
69	89.4		70.0	105.0
39	53.3		42.6	64.0





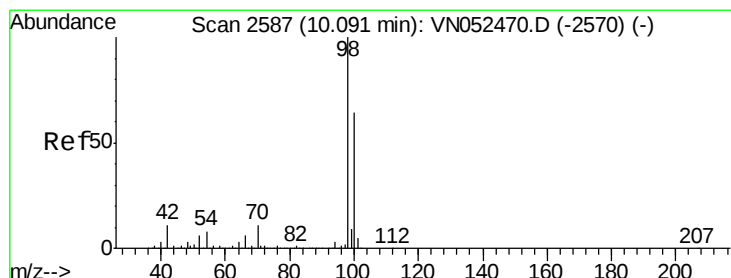
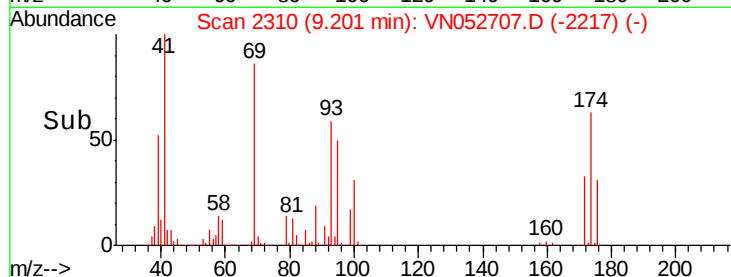
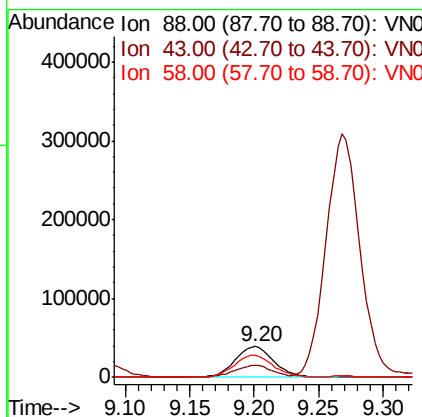
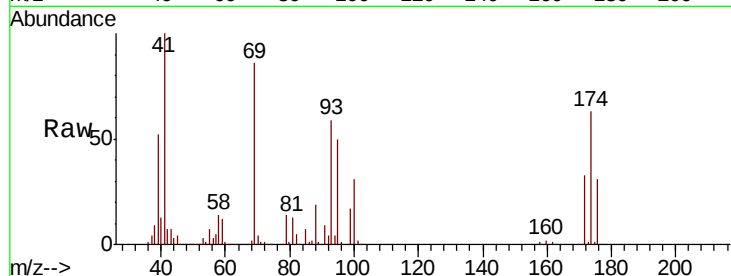
#49
1,4-Dioxane
Concen: 1092.234 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	26.4	39.6
58	72.2	55.4	83.0

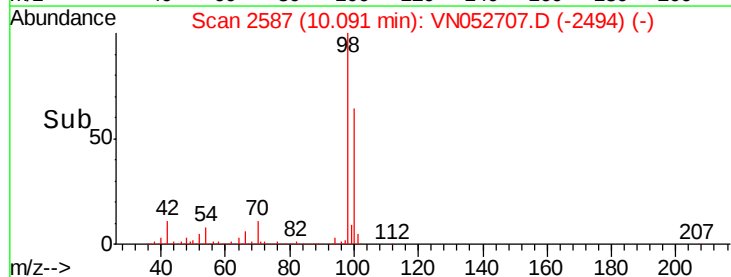
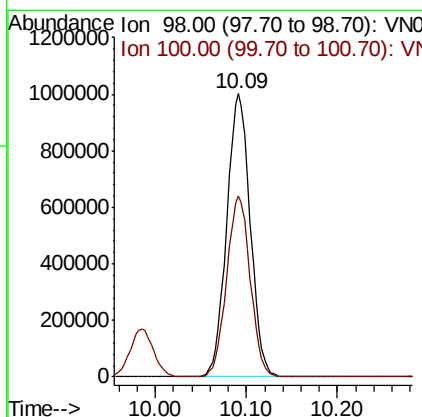
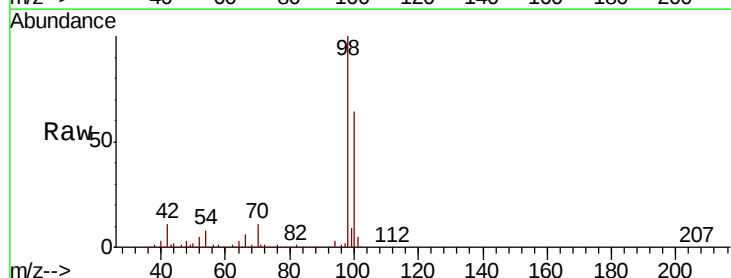
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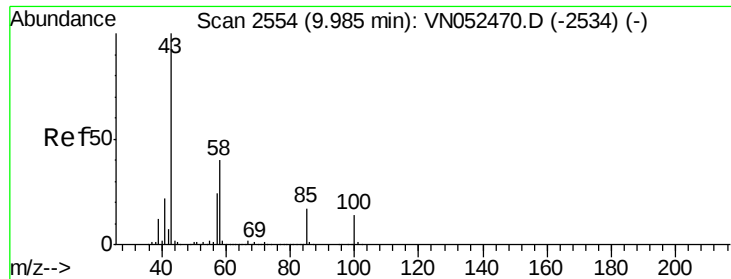
MMDadoda
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#50
Toluene-d8
Concen: 1092.234 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 269.621 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2095797

Ion Ratio Lower Upper

43 100

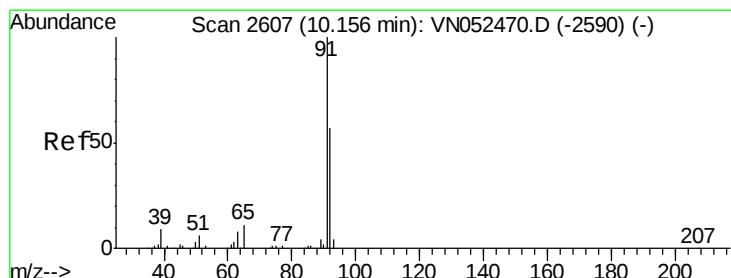
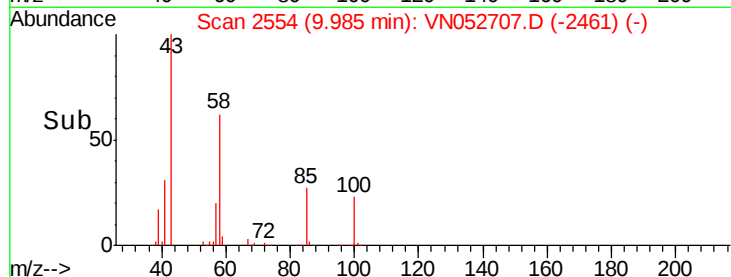
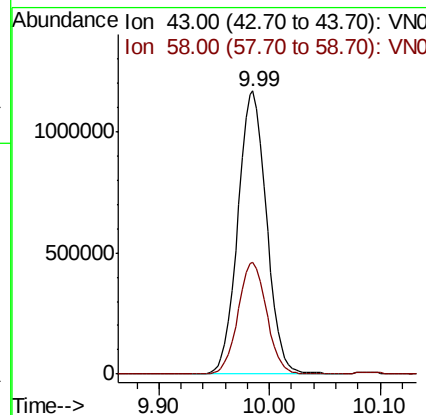
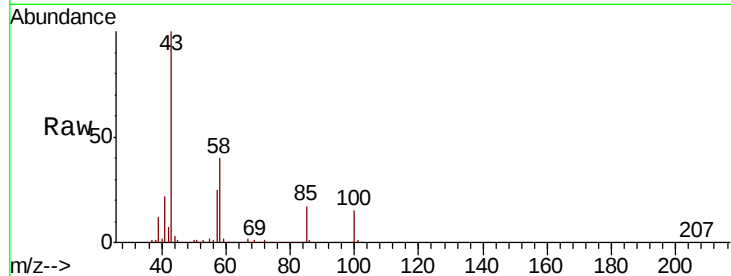
58 39.7 31.5 47.3

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#52

Toluene

Concen: 50.953 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052707.D

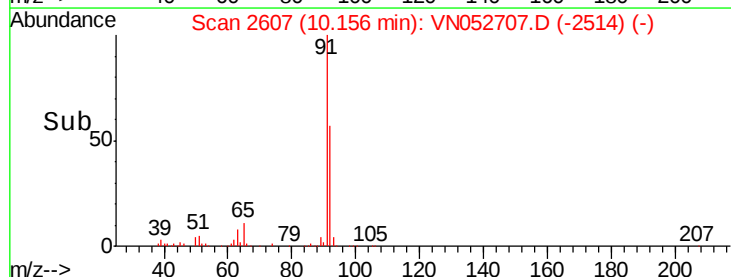
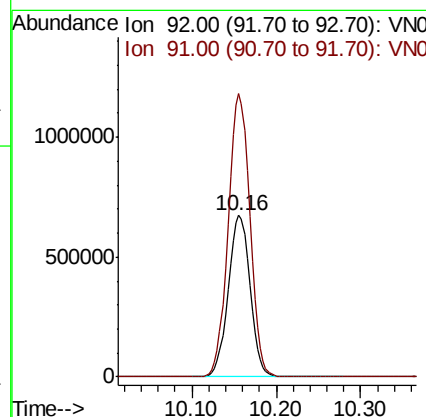
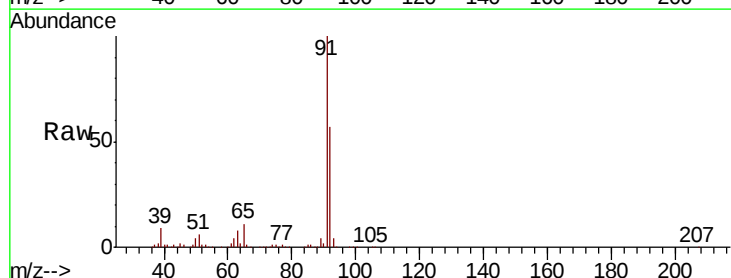
Acq: 6 Dec 2018 19:06

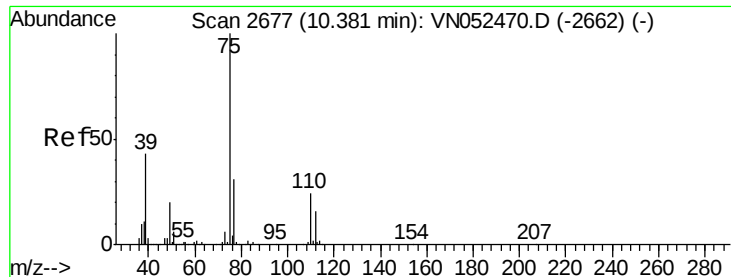
Tgt Ion: 92 Resp: 1210235

Ion Ratio Lower Upper

92 100

91 174.5 141.0 211.4





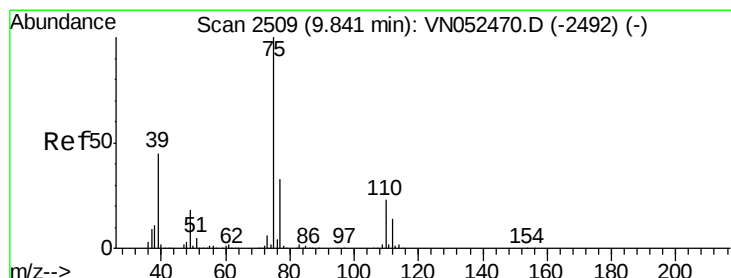
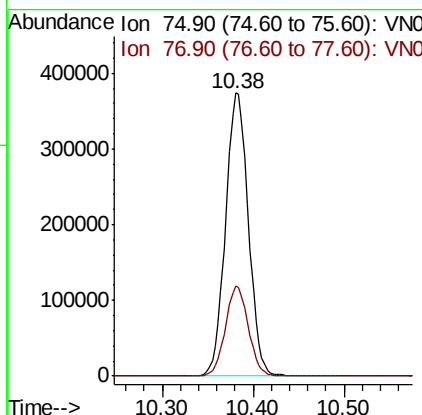
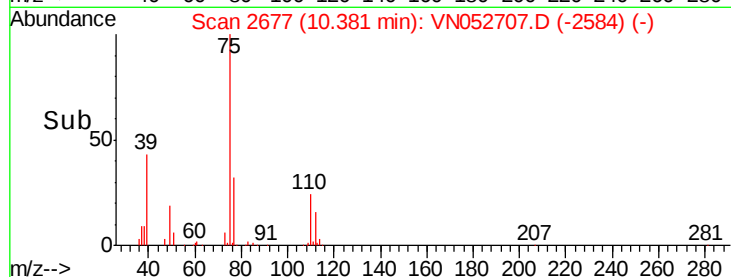
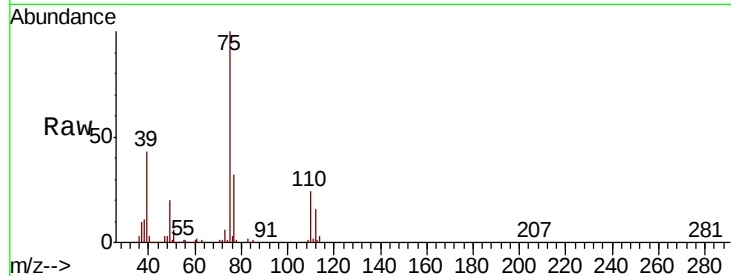
#53
t-1,3-Dichloropropene
Concen: 52.990 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 652108
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4

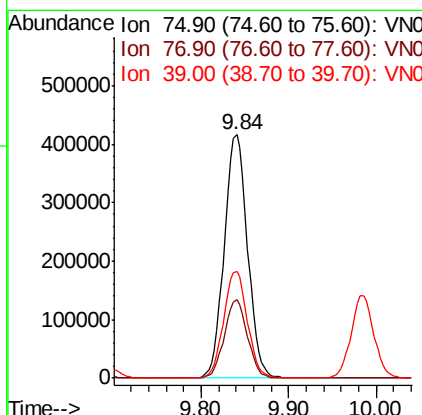
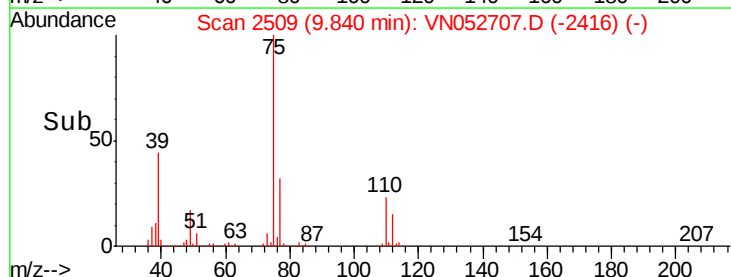
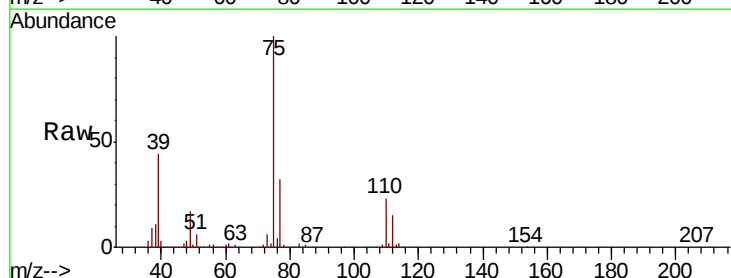
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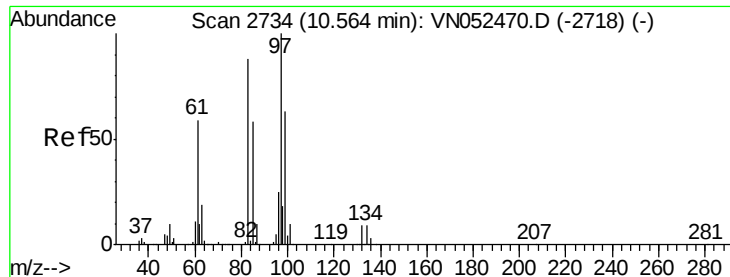
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.226 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion: 75 Resp: 770196
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
39 44.0 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 53.093 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

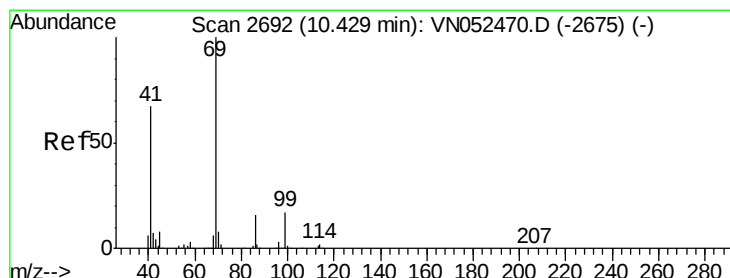
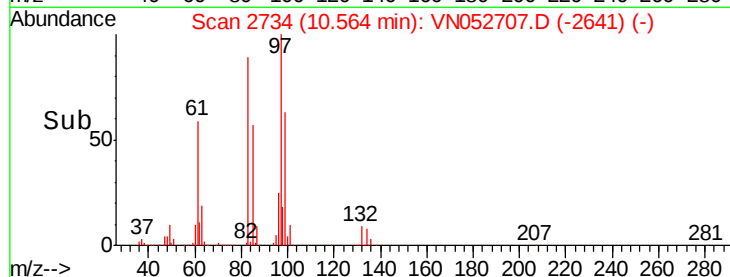
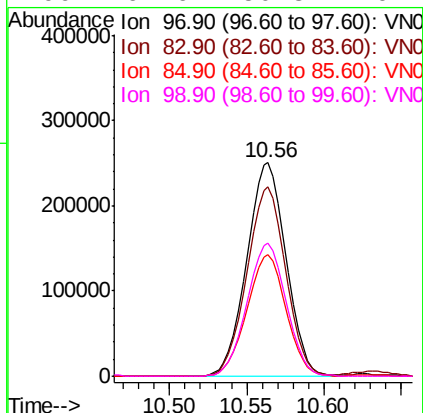
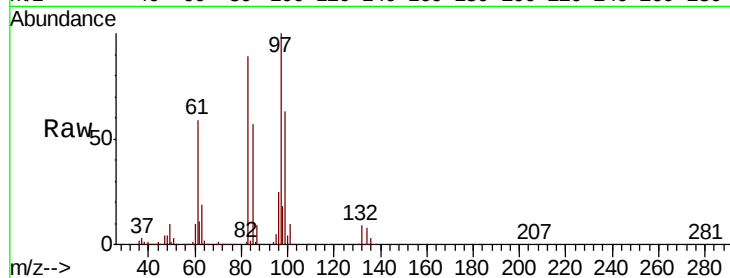
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	443580
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.7	106.1
85	57.2	46.1	69.1
99	62.6	50.8	76.2

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#56

Ethyl methacrylate

Concen: 49.918 ug/l

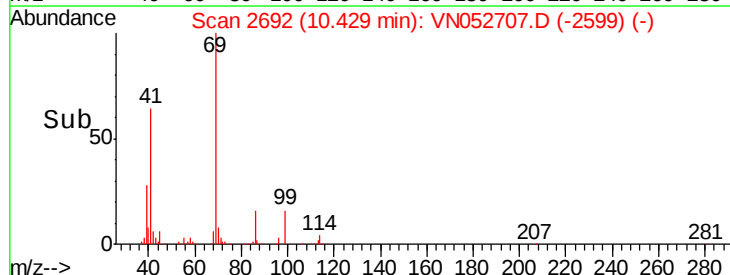
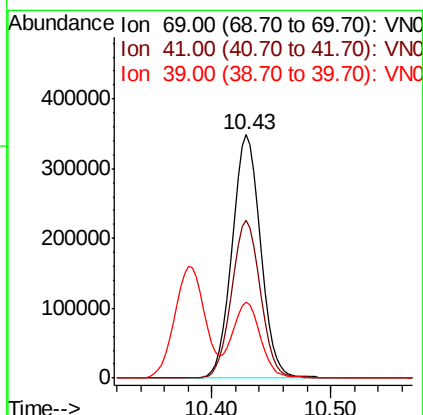
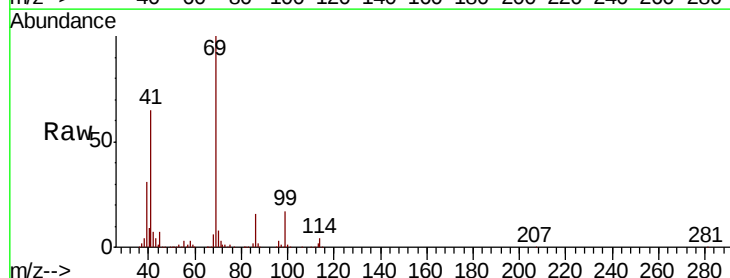
RT: 10.43 min Scan# 2692

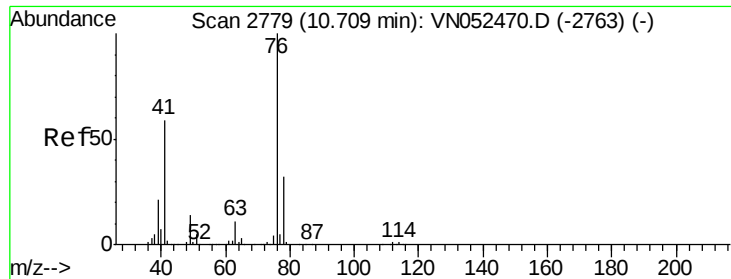
Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion:	69	Resp:	579077
Ion	Ratio	Lower	Upper
69	100		
41	64.9	52.6	79.0
39	31.2	25.9	38.9





#57

1,3-Dichloropropane

Concen: 51.912 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 765812

Ion Ratio Lower Upper

76 100

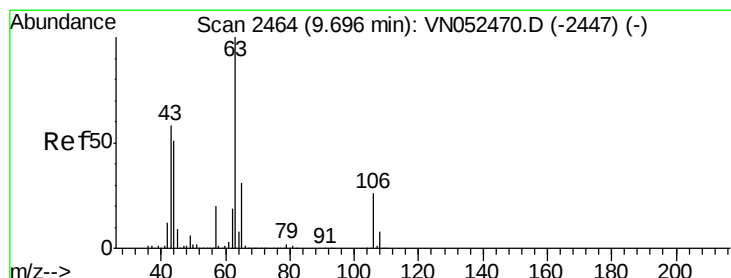
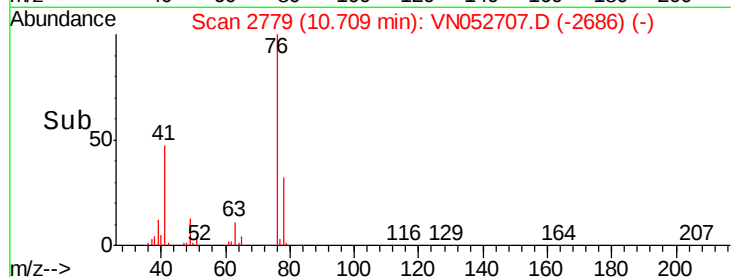
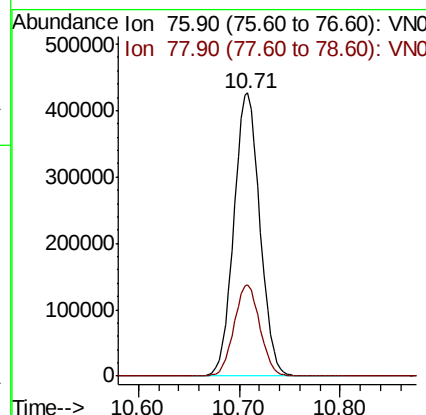
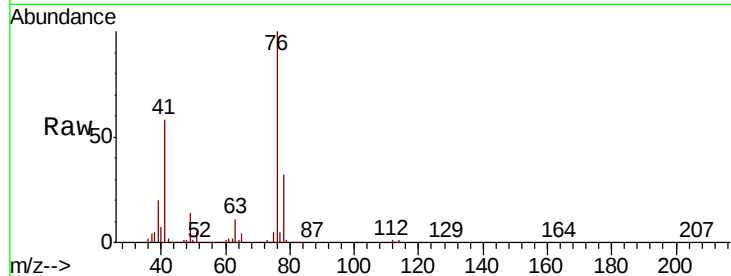
78 32.2 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 262.344 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052707.D

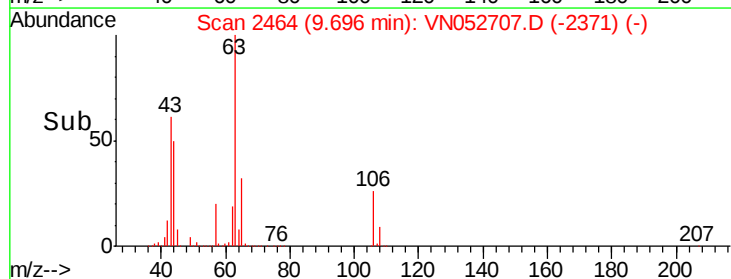
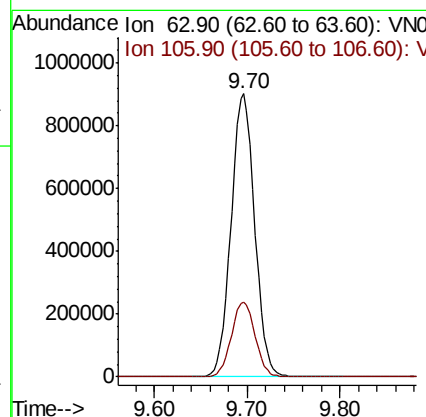
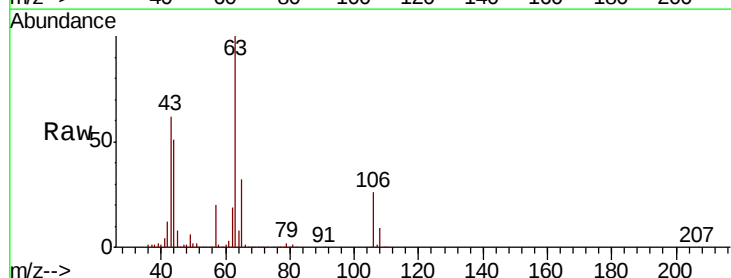
Acq: 6 Dec 2018 19:06

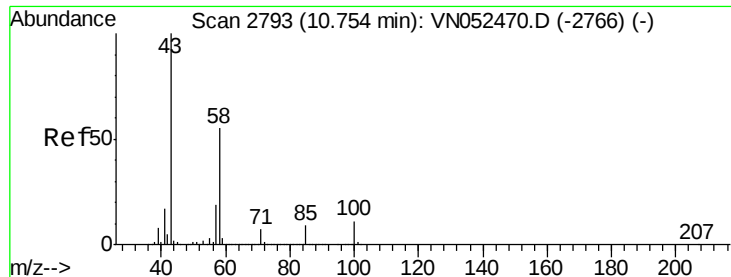
Tgt Ion: 63 Resp: 1590451

Ion Ratio Lower Upper

63 100

106 26.6 20.6 30.8





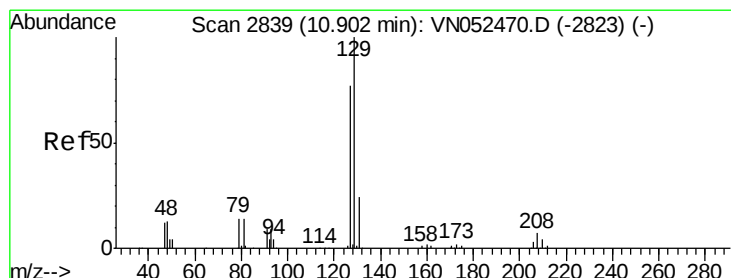
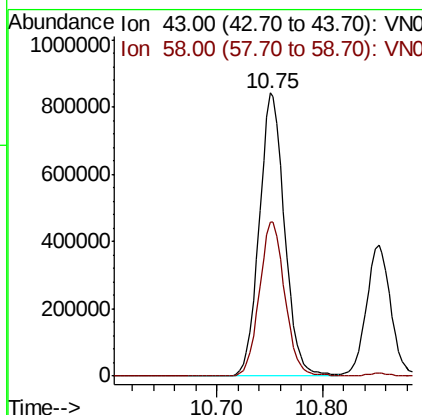
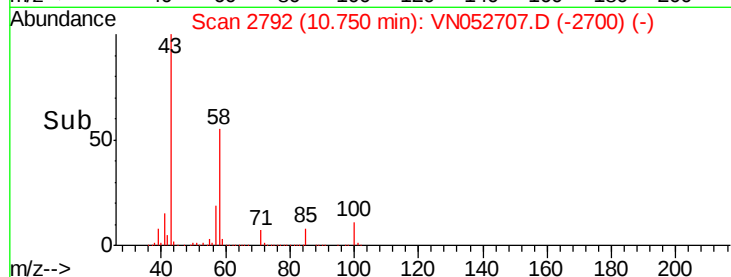
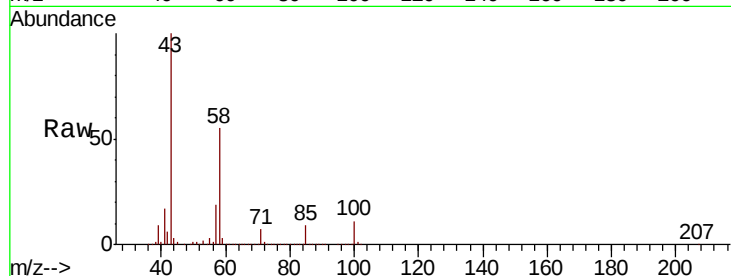
#59
2-Hexanone
Concen: 270.469 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1411024
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.0

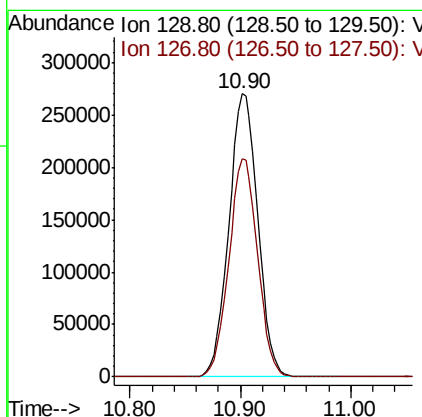
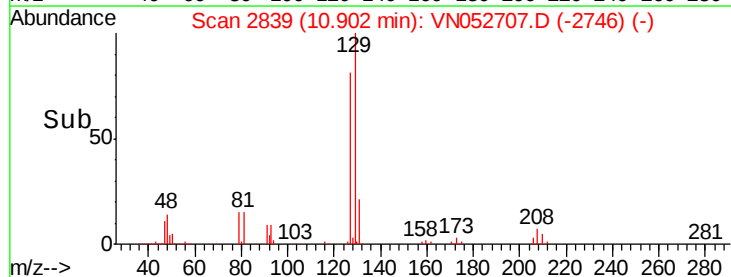
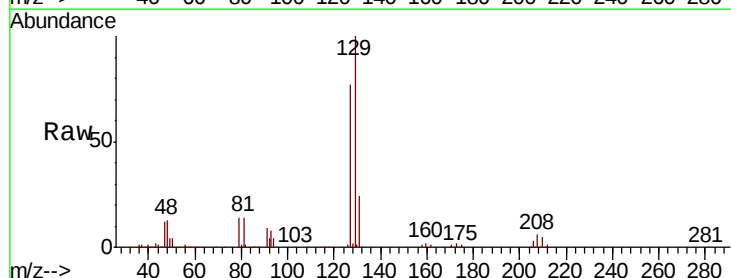
Manual Integrations
APPROVED

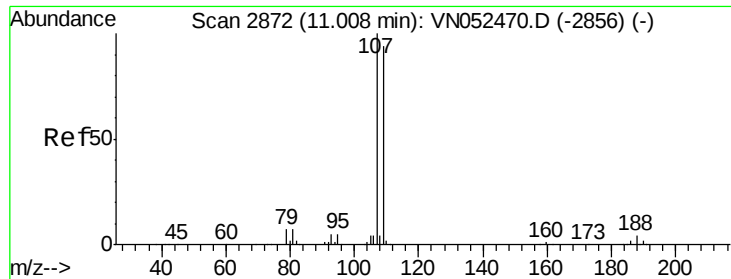
MMDadoda
12/7/2018 1:12:56 PM



#60
Dibromochloromethane
Concen: 54.047 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion:129 Resp: 490435
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 51.852 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 430276

Ion Ratio Lower Upper

107 100

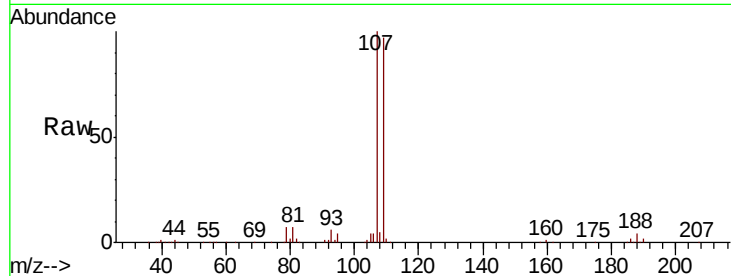
109 95.5 75.6 113.4

Manual Integrations

APPROVED

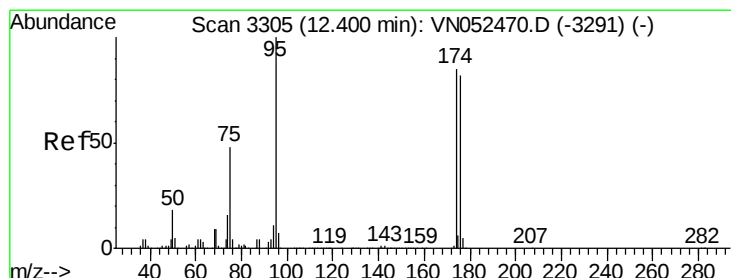
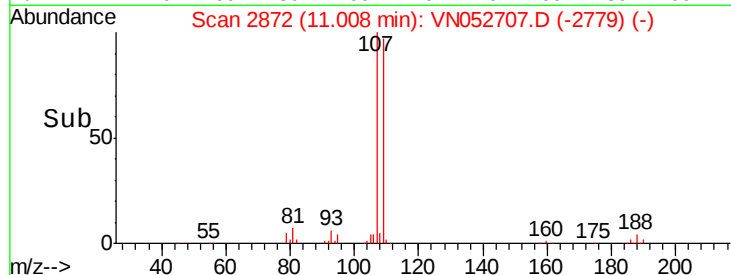
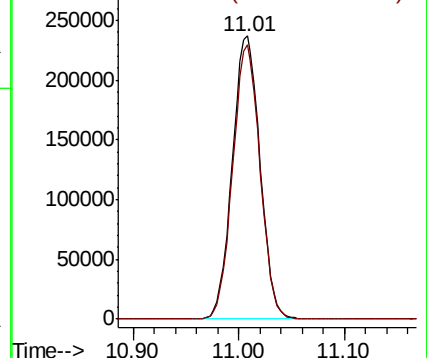
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.852 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

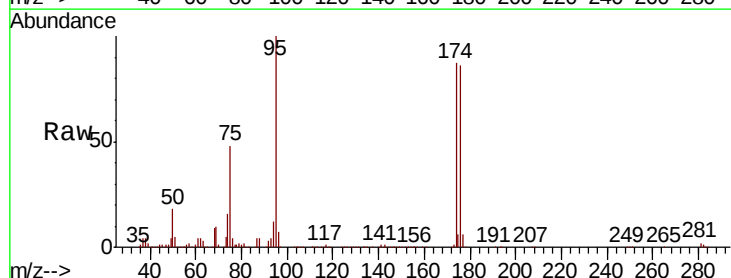
Tgt Ion: 95 Resp: 621171

Ion Ratio Lower Upper

95 100

174 88.6 0.0 173.0

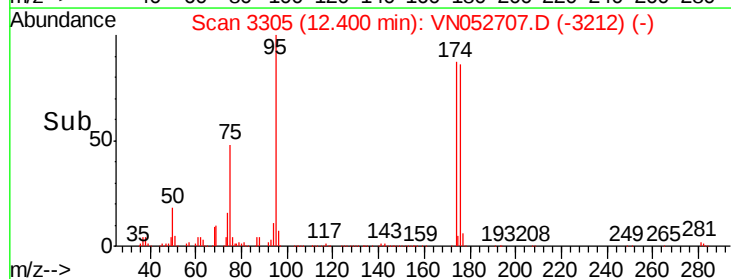
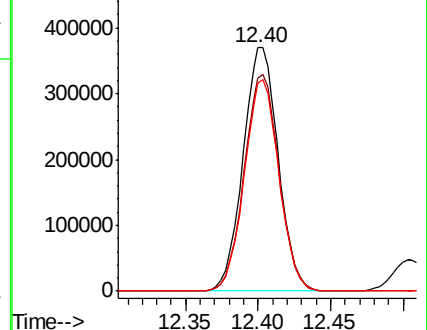
176 85.9 0.0 166.2

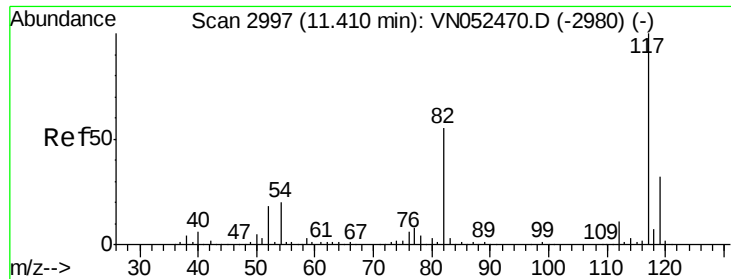


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





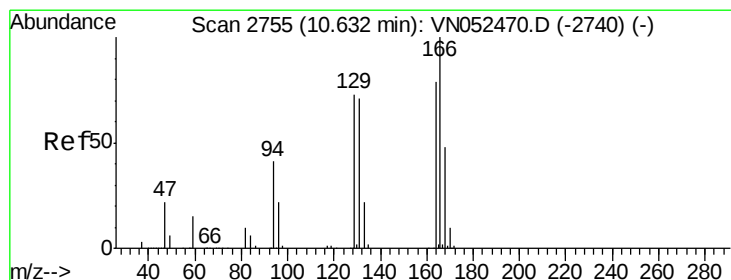
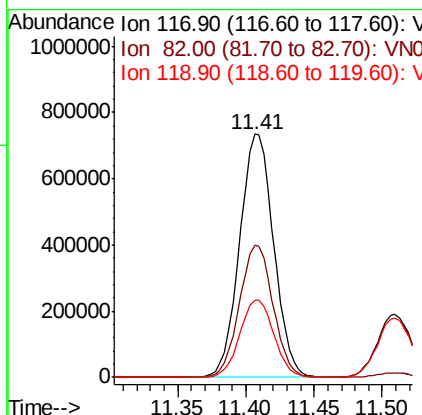
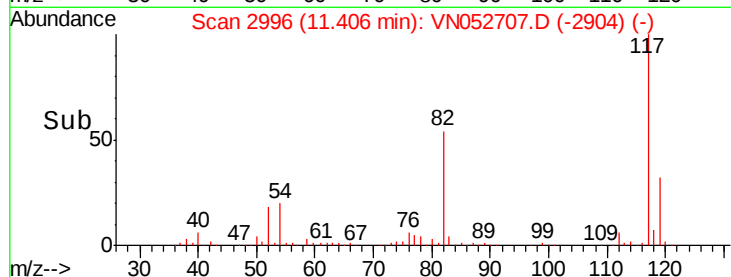
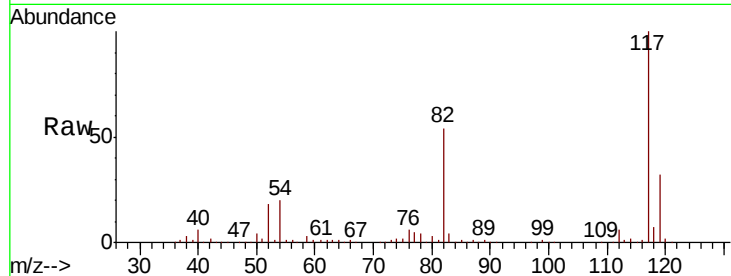
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1273939
Ion Ratio Lower Upper
117 100
82 54.4 43.6 65.4
119 31.8 25.4 38.2

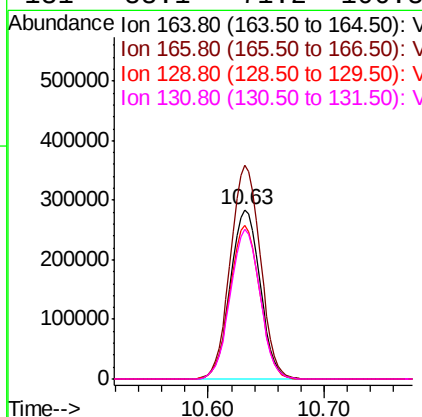
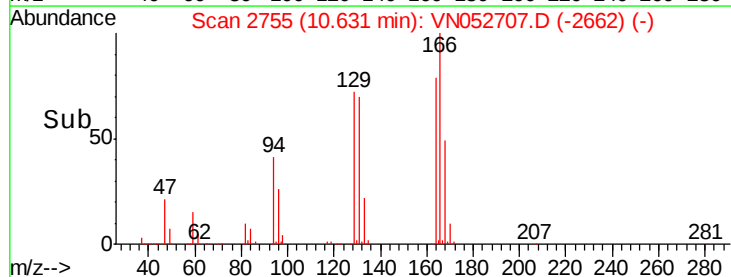
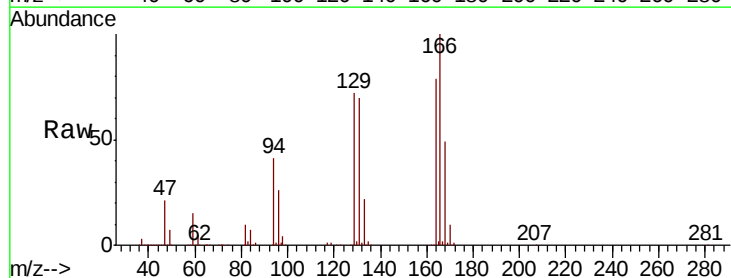
Manual Integrations
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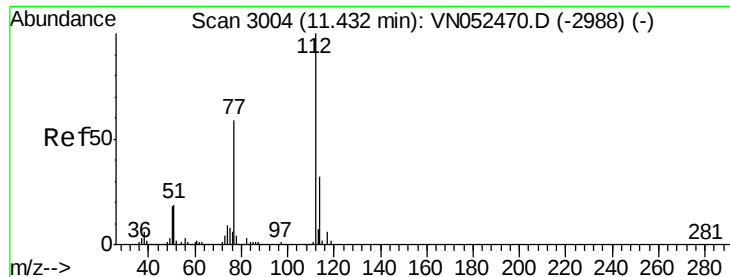
MMDadoda
12/7/2018 1:12:56 PM



#64
Tetrachloroethene
Concen: 51.147 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion:164 Resp: 505186
Ion Ratio Lower Upper
164 100
166 126.2 101.0 151.4
129 91.0 73.8 110.6
131 88.1 71.2 106.8





#65

Chlorobenzene

Concen: 50.710 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 1332083

Ion Ratio Lower Upper

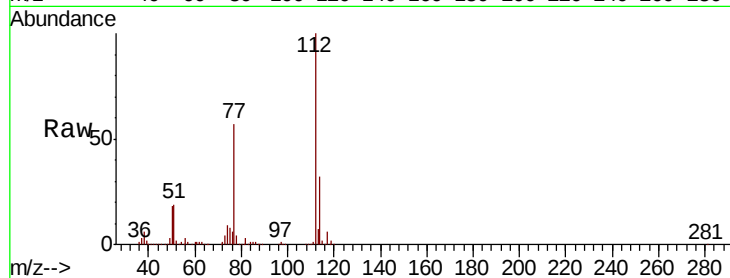
112 100

114 31.6 25.8 38.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

800000

600000

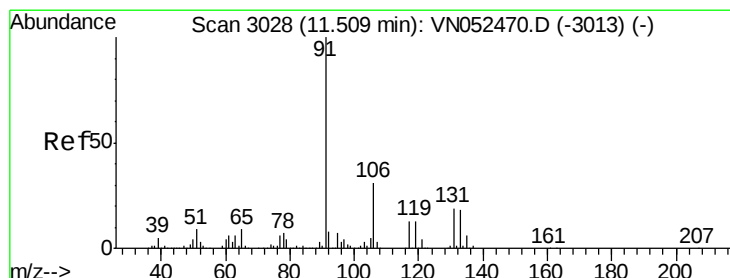
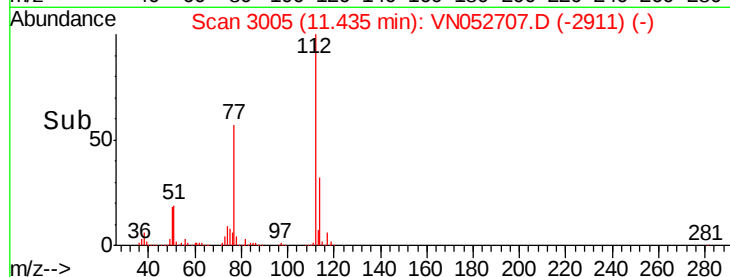
400000

200000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.506 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

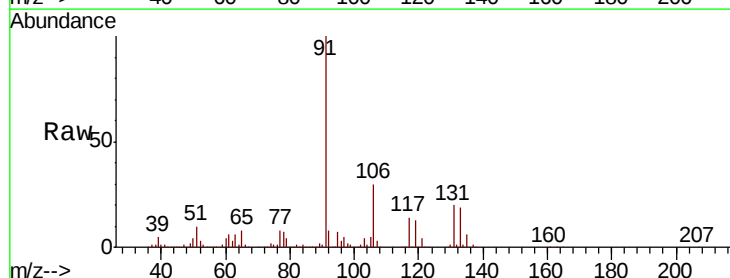
Tgt Ion:131 Resp: 479576

Ion Ratio Lower Upper

131 100

133 95.2 47.6 142.8

119 66.0 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

300000

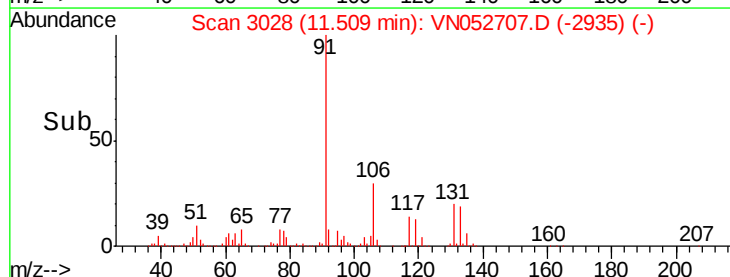
200000

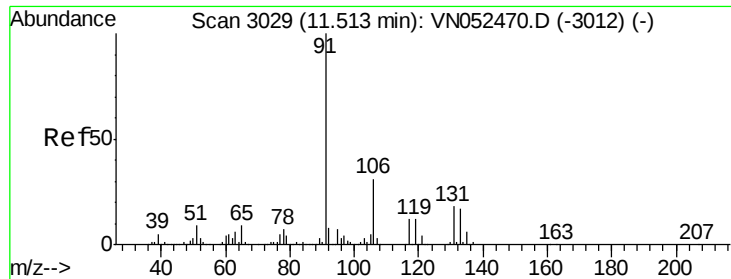
100000

0

11.45 11.50 11.55

Time-->





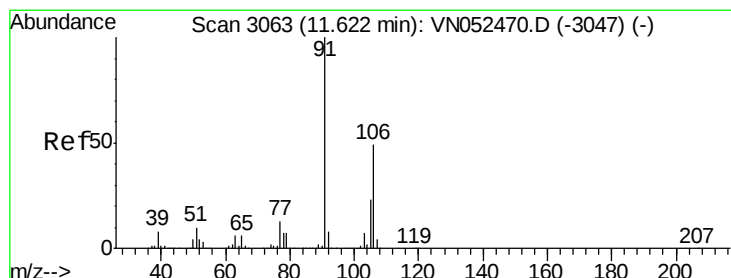
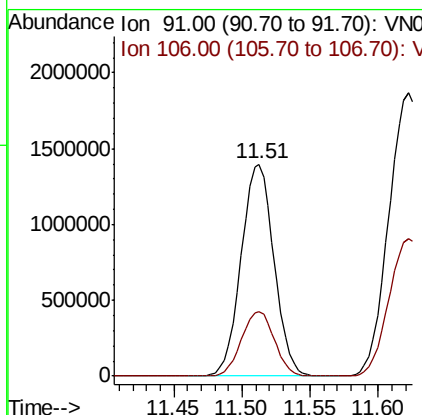
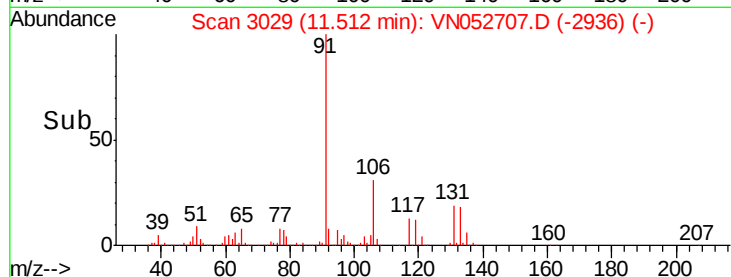
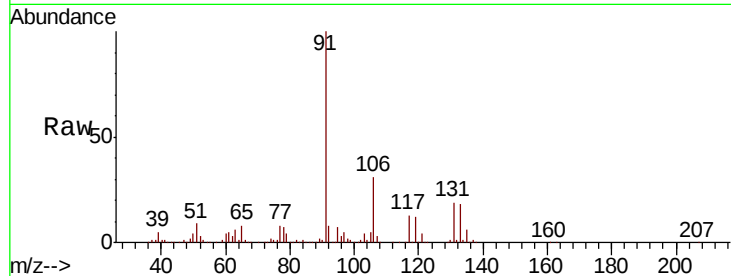
#67
Ethyl Benzene
Concen: 50.685 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2331549
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3

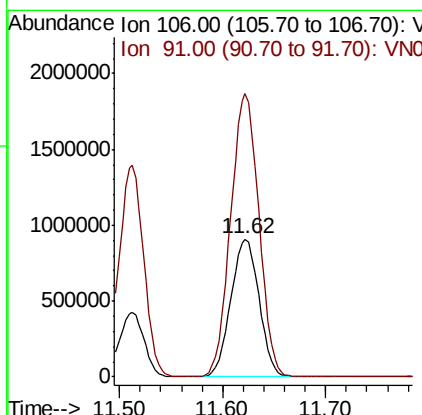
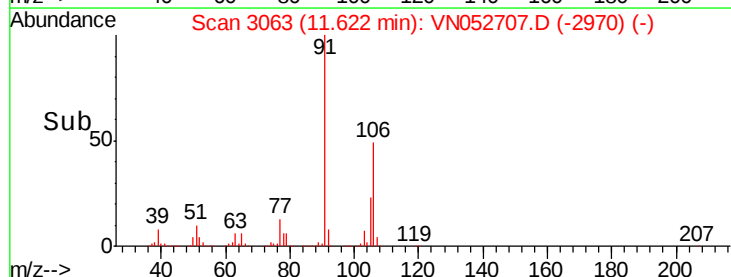
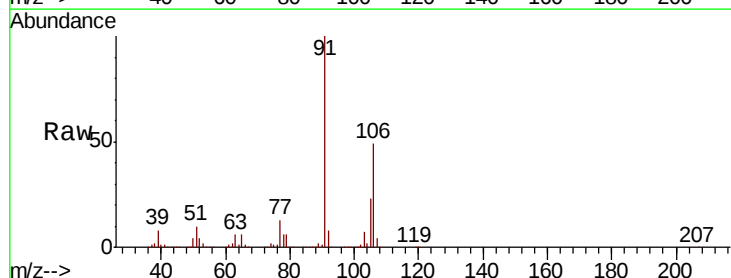
Manual Integrations
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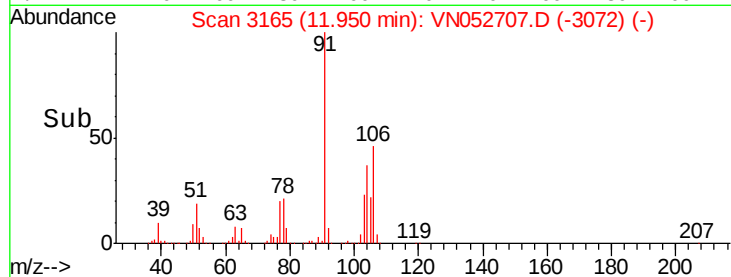
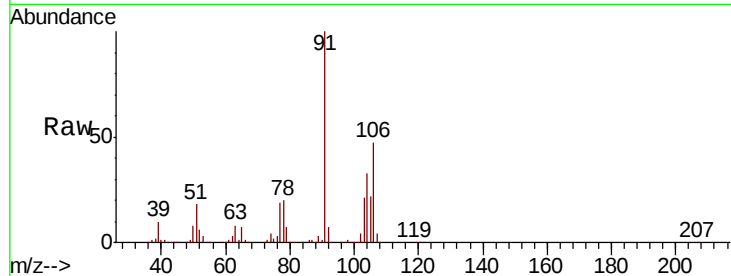
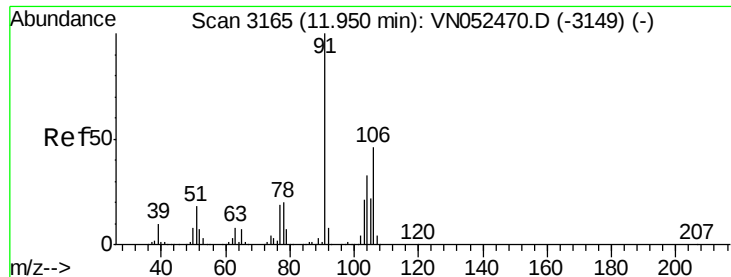
MMDadoda
12/7/2018 1:12:56 PM



#68
m/p-Xylenes
Concen: 101.549 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion: 106 Resp: 1739026
Ion Ratio Lower Upper
106 100
91 204.9 163.2 244.8





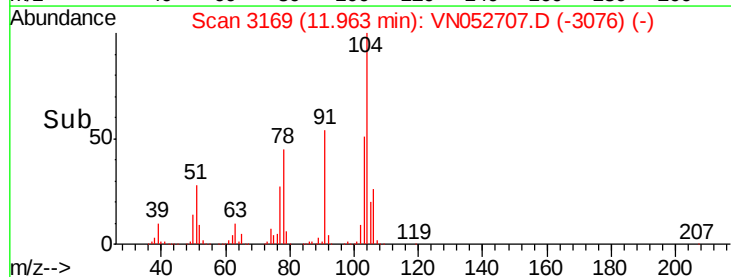
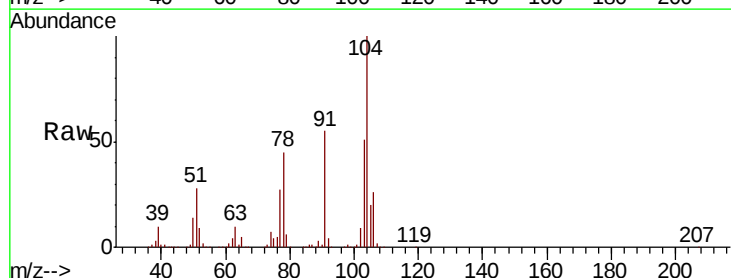
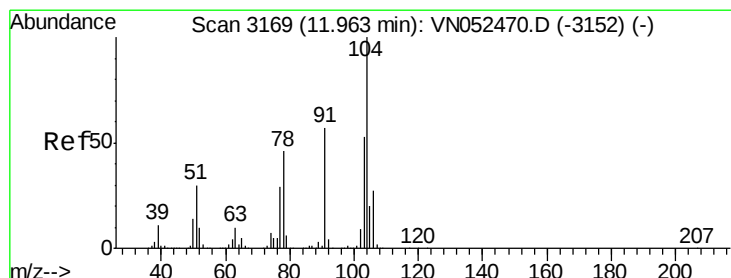
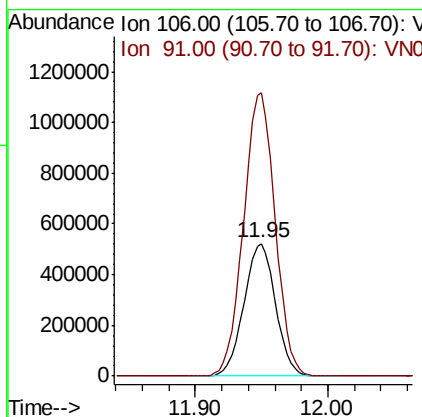
#69
o-Xylene
Concen: 51.760 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tot Ion:106 Resp: 860764
Ion Ratio Lower Upper
106 100
91 213.9 107.7 323.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

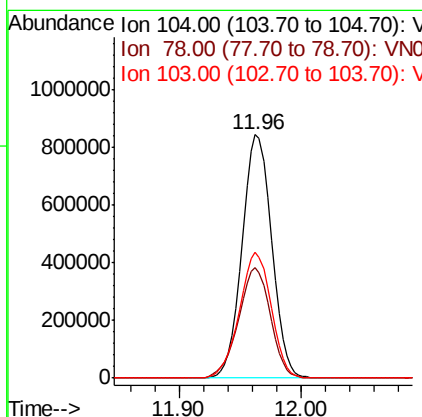
Manual Integrations
APPROVED

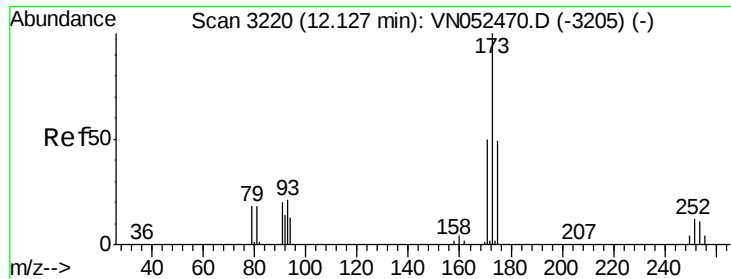
MMDadoda
12/7/2018 1:12:56 PM



#70
Styrene
Concen: 53.350 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion:104 Resp: 1413083
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.2
103 55.4 44.9 67.3





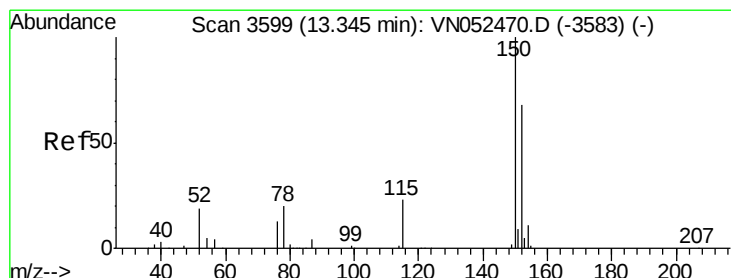
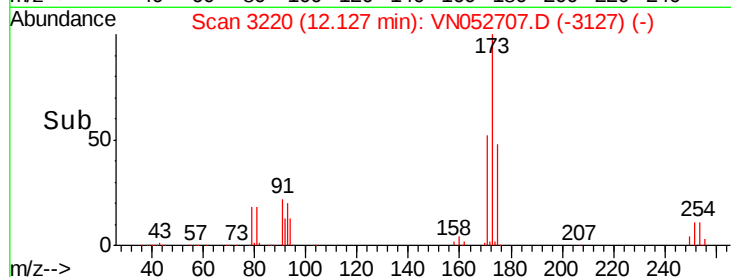
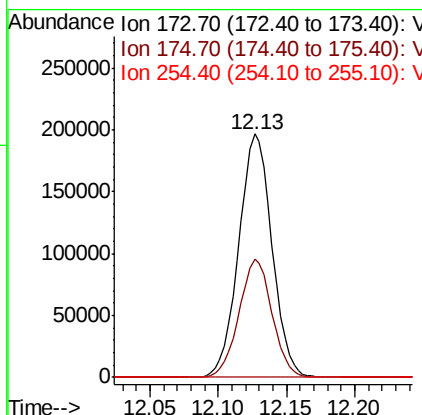
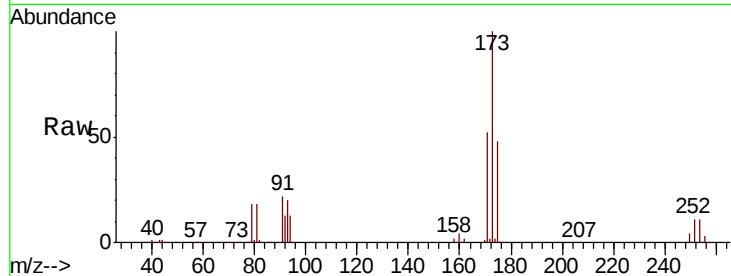
#71
Bromoform
Concen: 55.005 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.4	73.2
254	0.1	0.1	0.1#

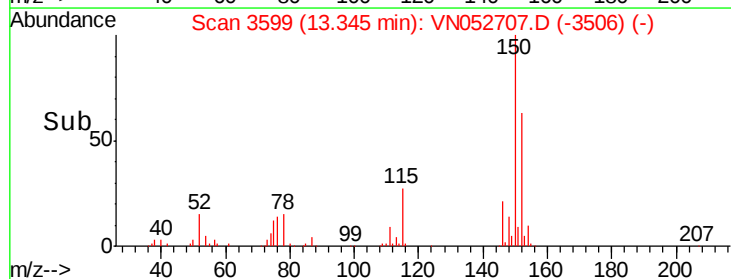
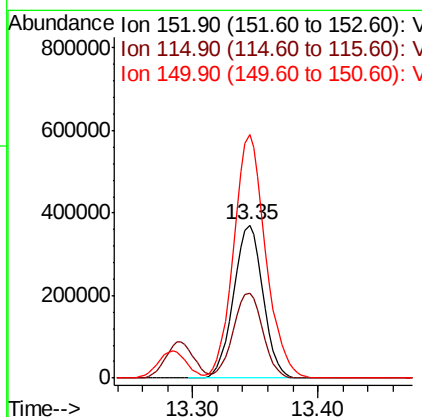
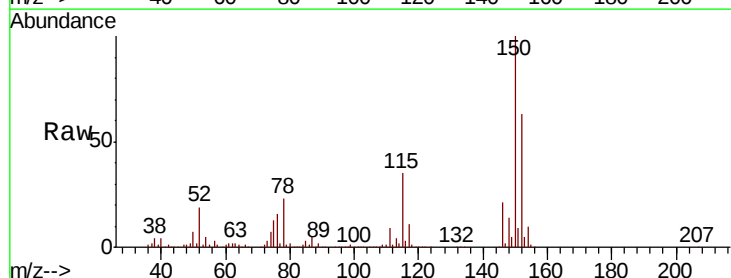
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.4	85.2
150	172.3	0.0	346.0





#73

Isopropylbenzene

Concen: 48.725 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 2303878

Ion Ratio Lower Upper

105 100

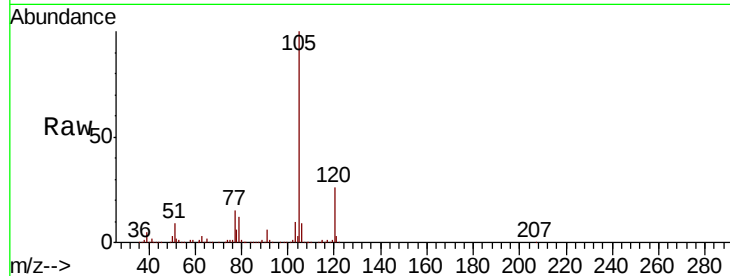
120 26.4 13.1 39.3

Manual Integrations

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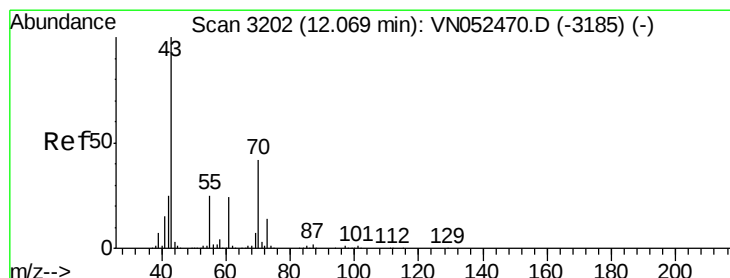
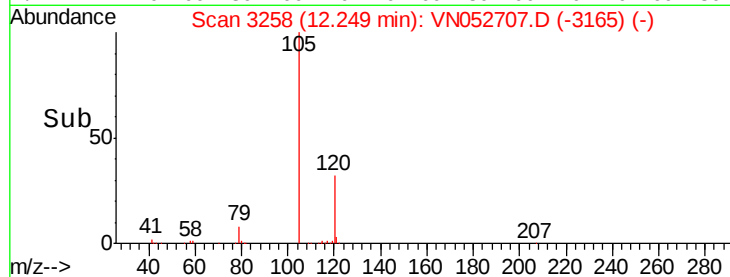
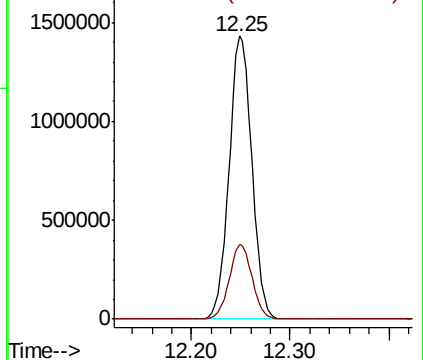
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.378 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion: 43 Resp: 625696

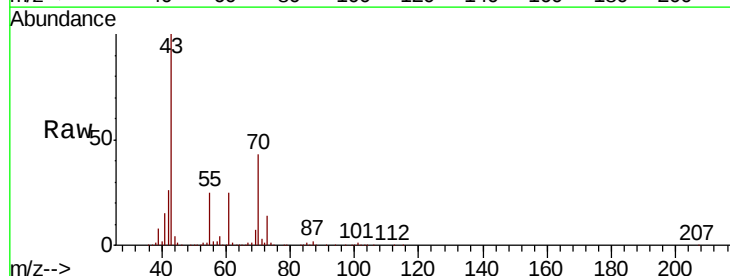
Ion Ratio Lower Upper

43 100

70 43.0 33.8 50.8

55 25.5 20.0 30.0

61 24.7 19.7 29.5

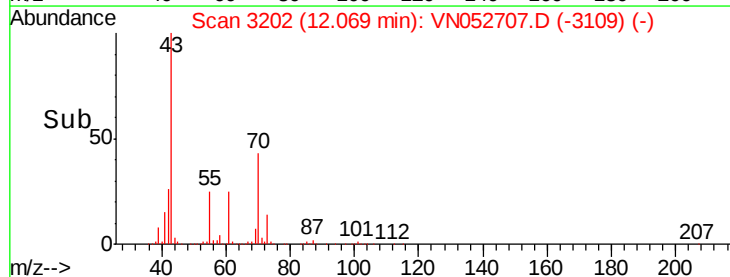
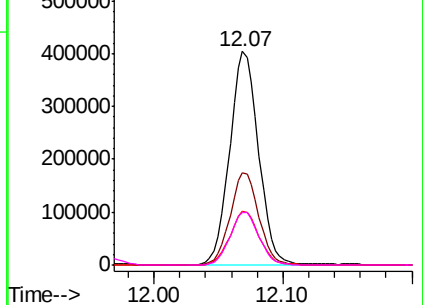


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.351 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

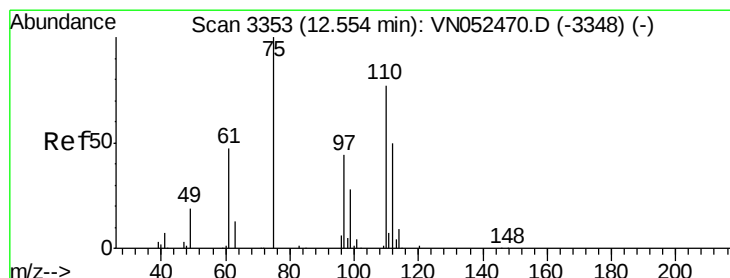
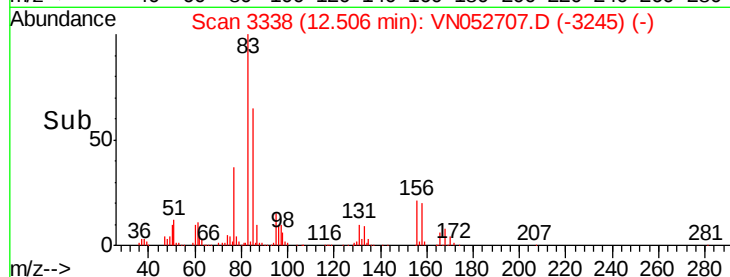
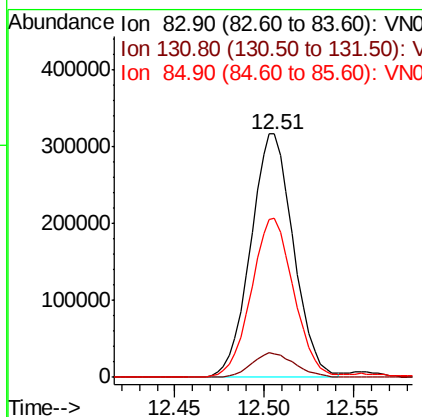
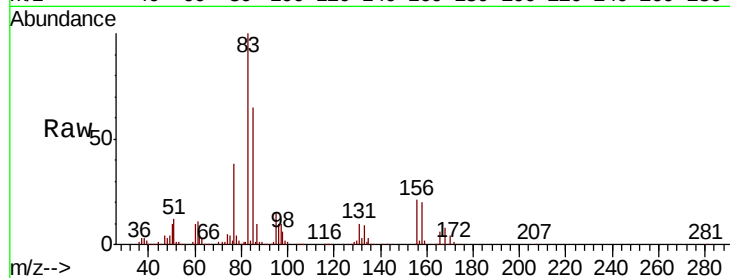
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	530821
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	64.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.646 ug/l m

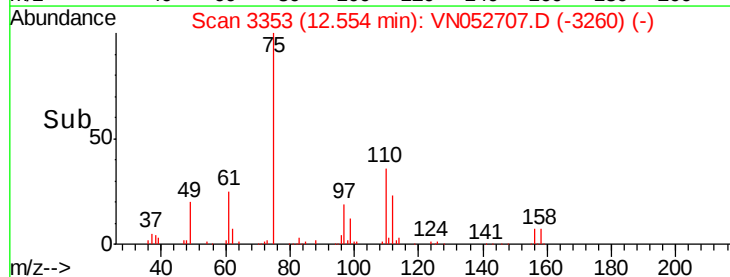
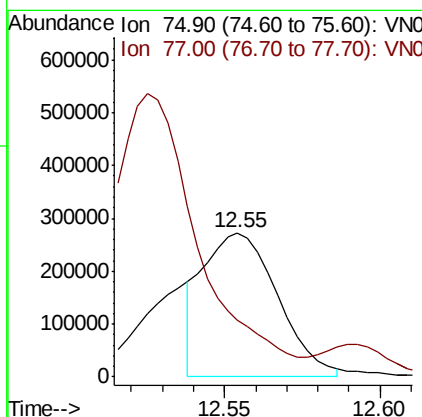
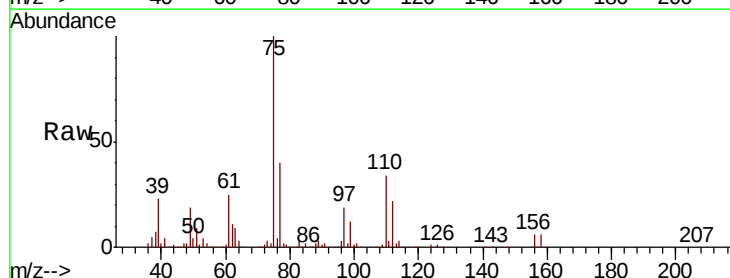
RT: 12.55 min Scan# 3353

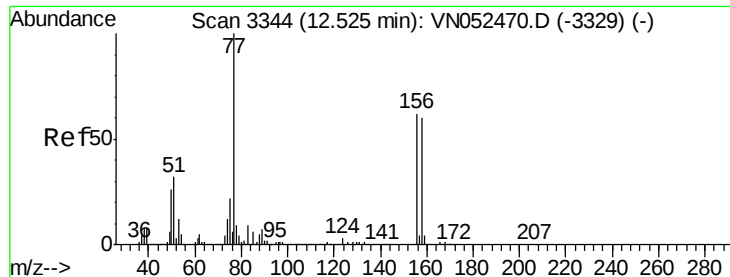
Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion:	75	Resp:	452093
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





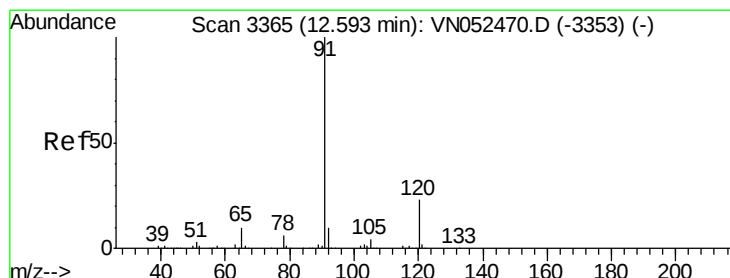
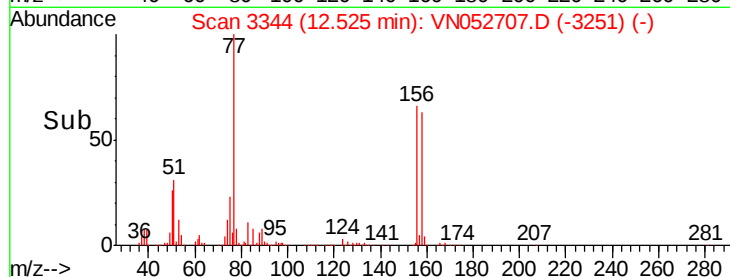
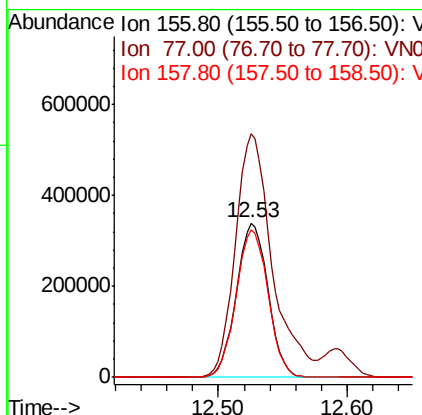
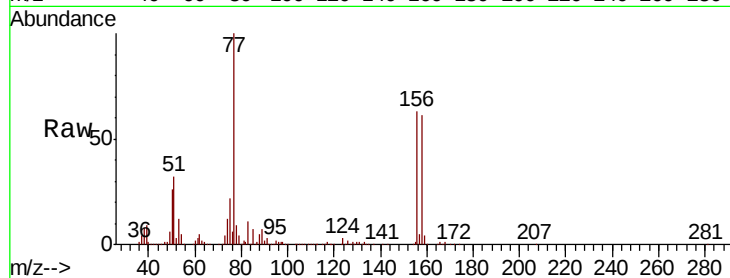
#77
Bromobenzene
Concen: 49.465 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.1	93.5	280.4
158	96.4	48.3	144.9

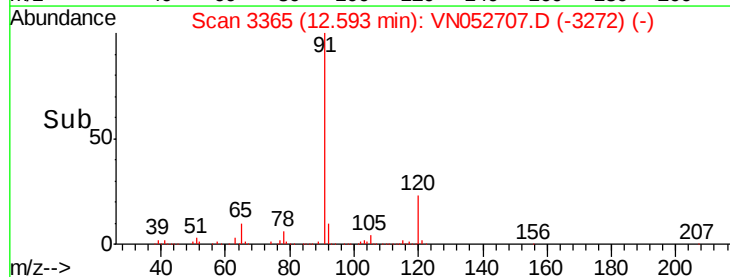
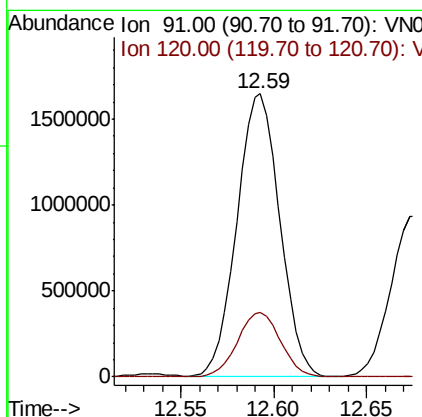
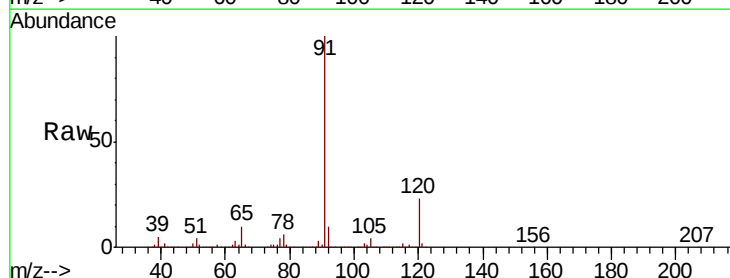
Manual Integrations
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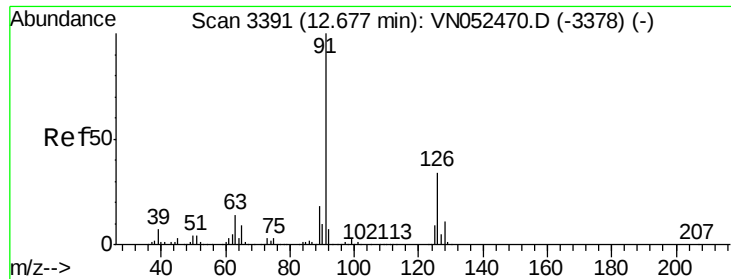
MMDadoda
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#78
n-propylbenzene
Concen: 48.996 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 48.466 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1550334

Ion Ratio Lower Upper

91 100

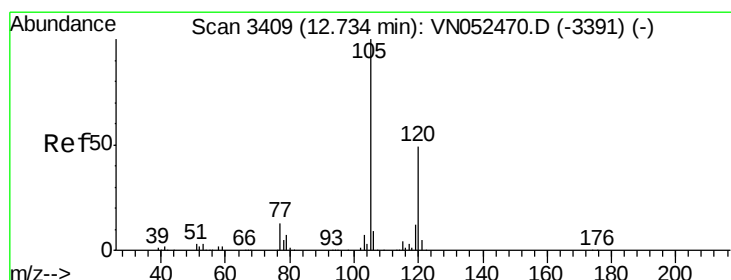
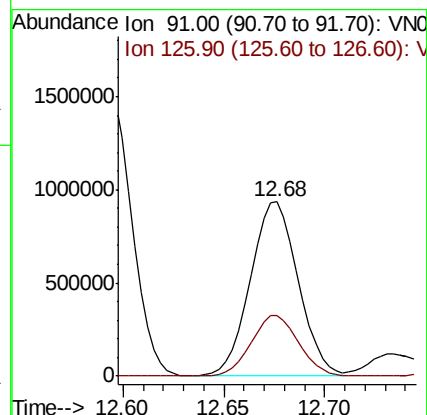
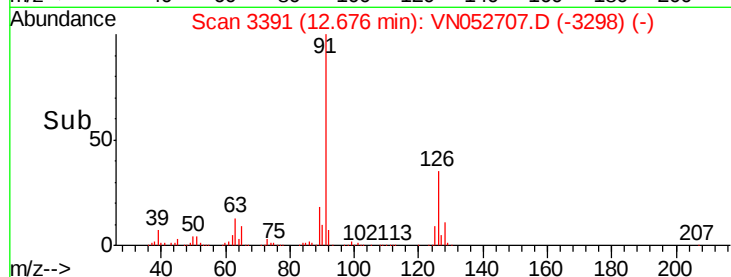
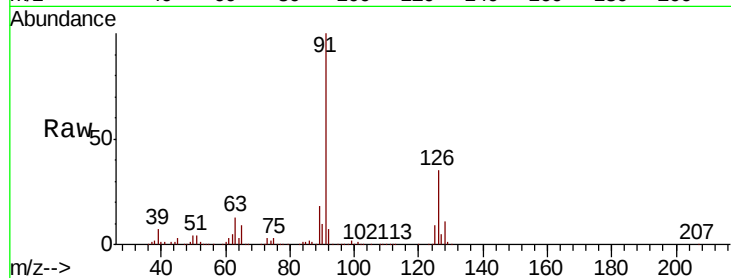
126 34.6 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.264 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052707.D

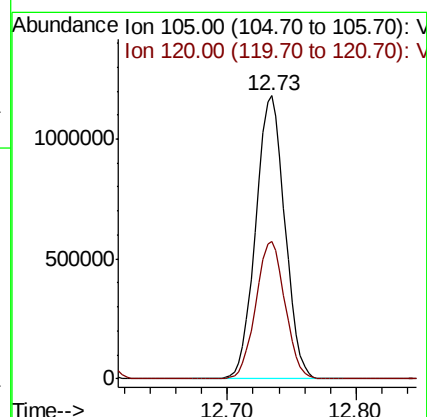
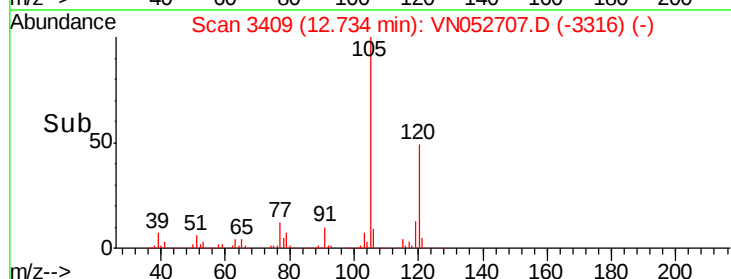
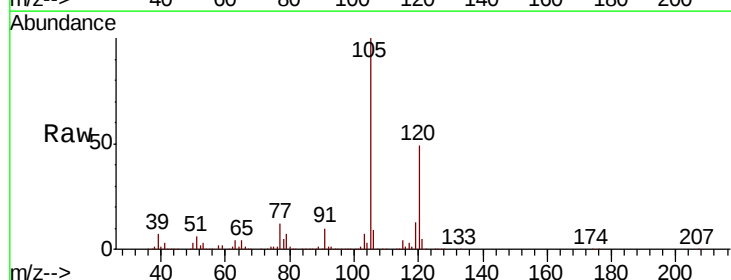
Acq: 6 Dec 2018 19:06

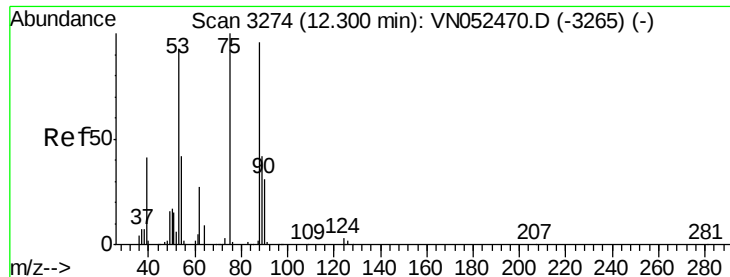
Tgt Ion: 105 Resp: 1857765

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.449 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

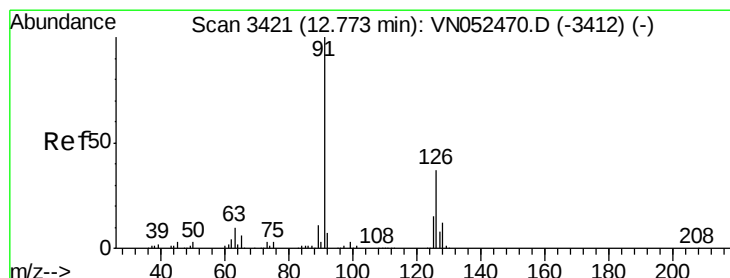
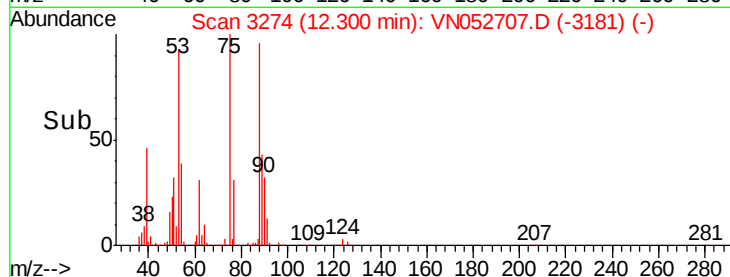
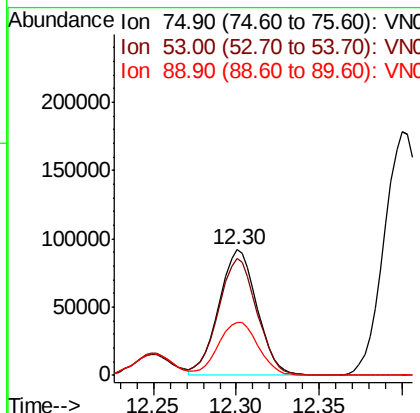
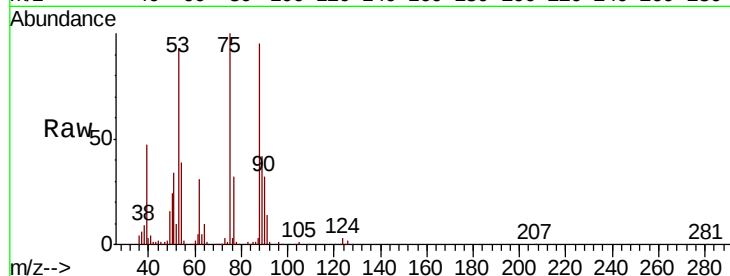
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	145960
Ion	Ratio	Lower	Upper
75	100		
53	95.1	77.4	116.0
89	44.6	35.4	53.2

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#82

4-Chlorotoluene

Concen: 48.374 ug/l

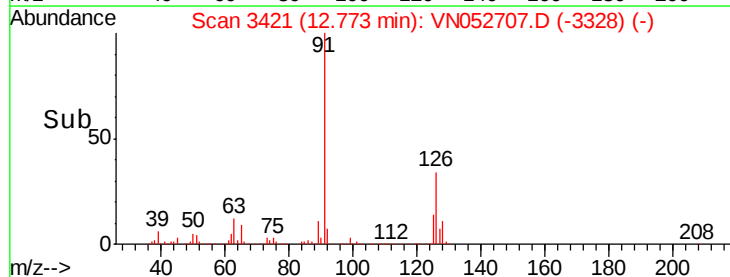
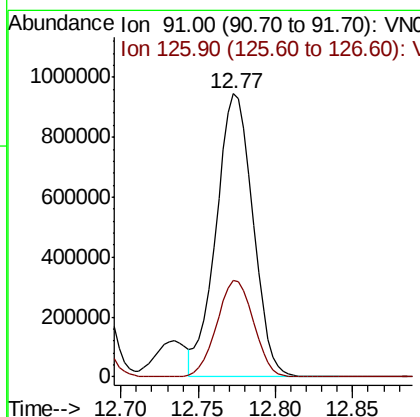
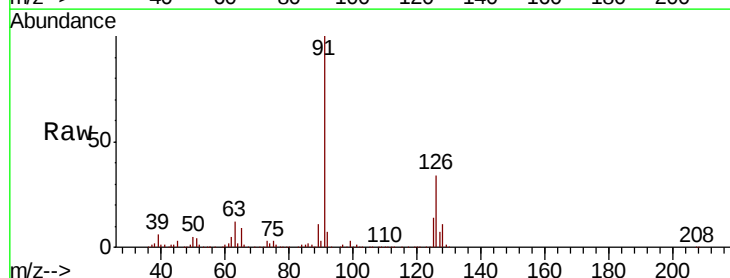
RT: 12.77 min Scan# 3421

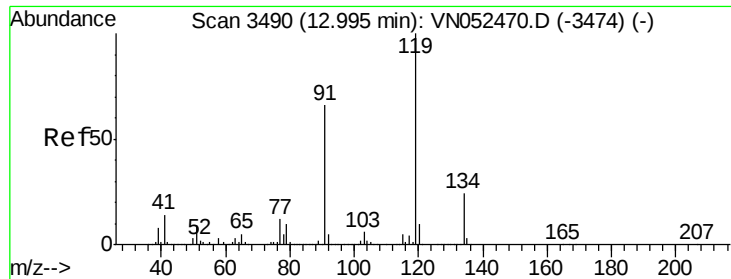
Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion:	91	Resp:	1559538
Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.6





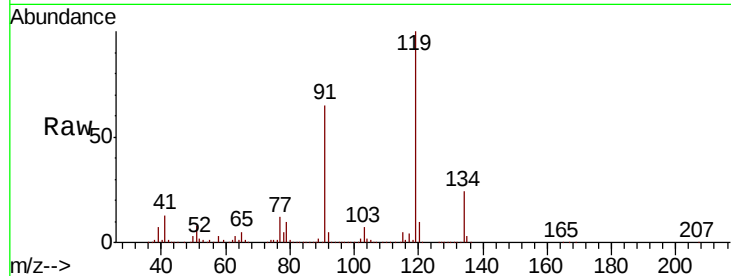
#83
tert-Butylbenzene
Concen: 49.024 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

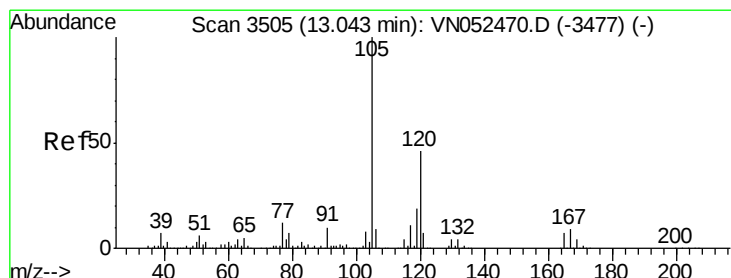
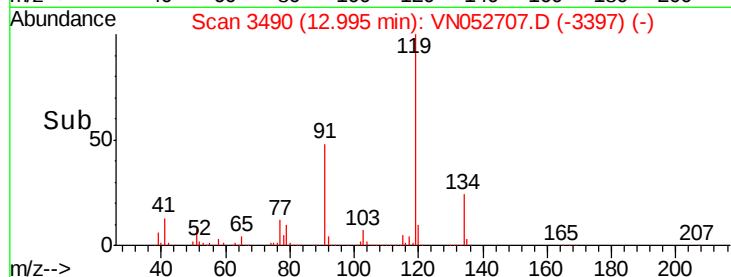
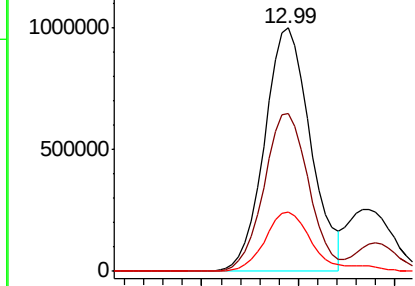
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	32.3	96.9
134	25.9	13.0	38.9

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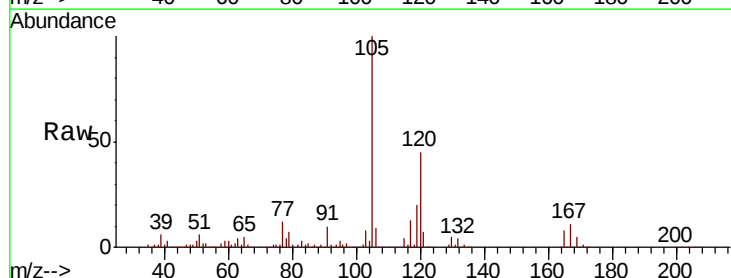


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

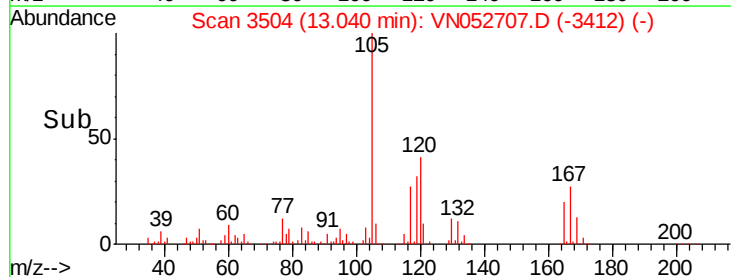
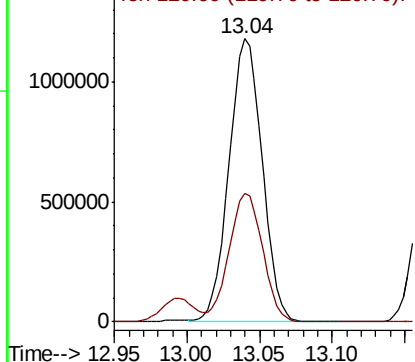


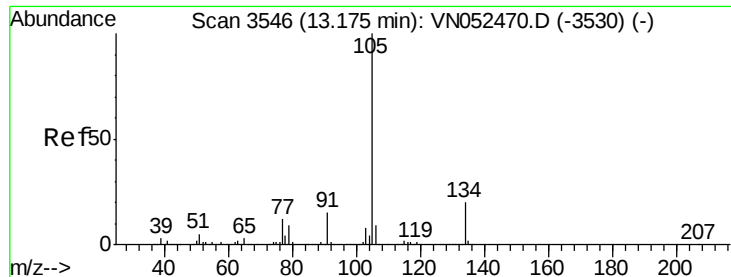
#84
1,2,4-Trimethylbenzene
Concen: 49.588 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





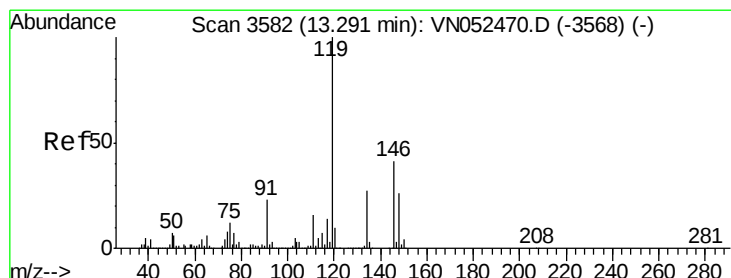
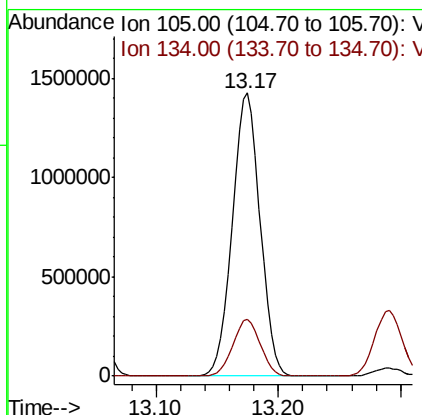
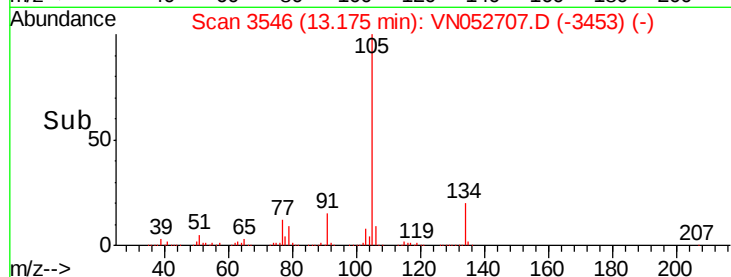
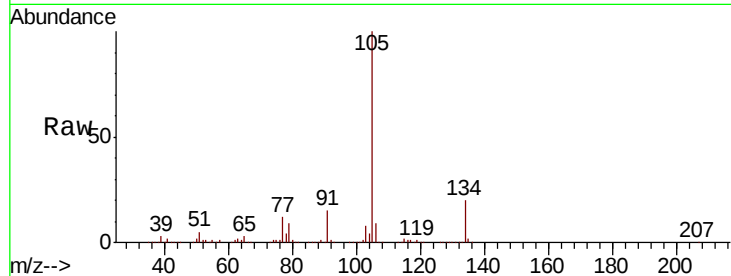
#85
 sec-Butylbenzene
 Concen: 49.126 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN052707.D
 Acq: 6 Dec 2018 19:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 2249499
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.9 29.7

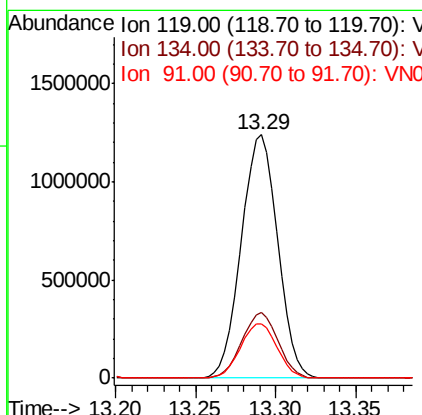
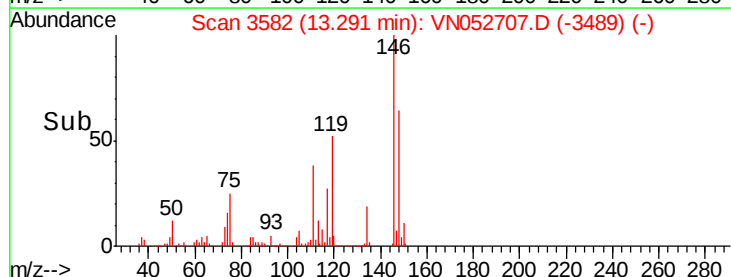
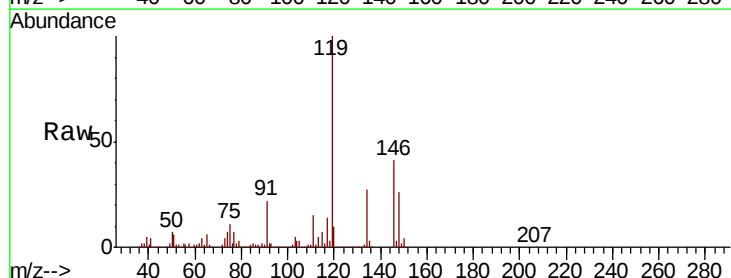
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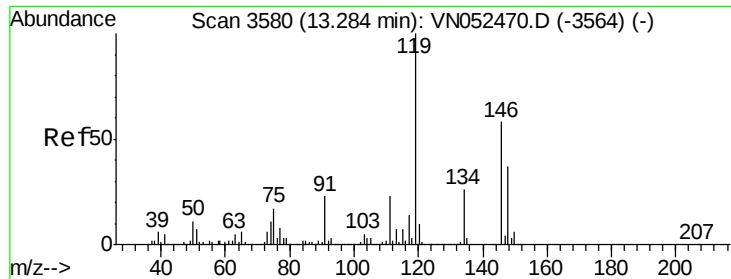
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#86
 p-Isopropyltoluene
 Concen: 49.335 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052707.D
 Acq: 6 Dec 2018 19:06

Tgt Ion:119 Resp: 1924111
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 22.4 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 49.447 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1010865

Ion Ratio Lower Upper

146 100

111 38.4 19.4 58.4

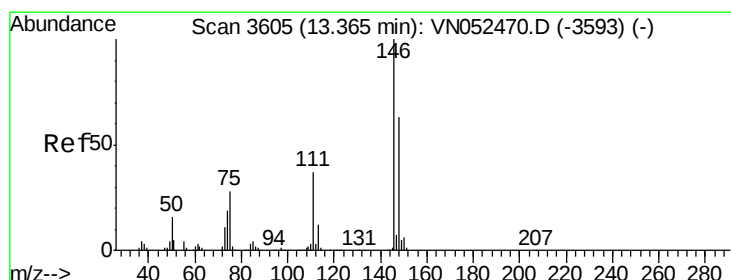
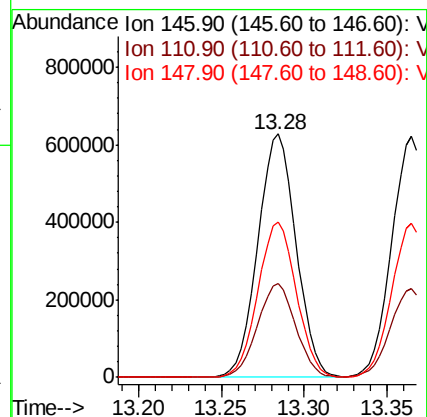
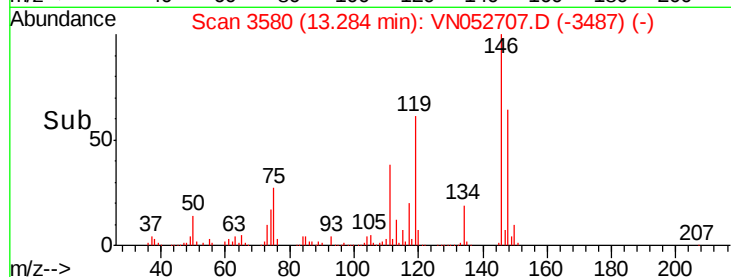
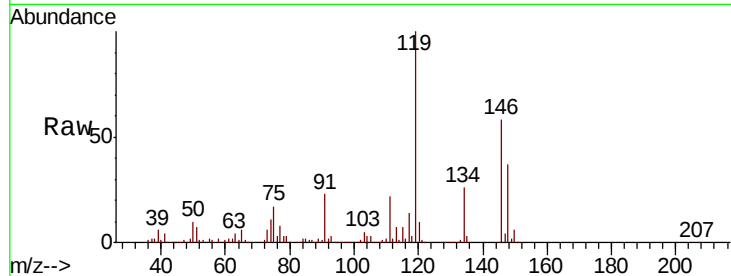
148 64.1 31.8 95.4

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#88

1,4-Dichlorobenzene

Concen: 49.041 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

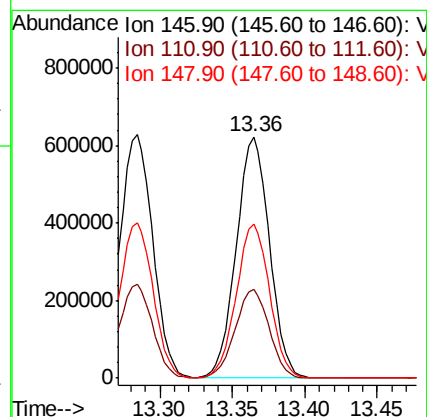
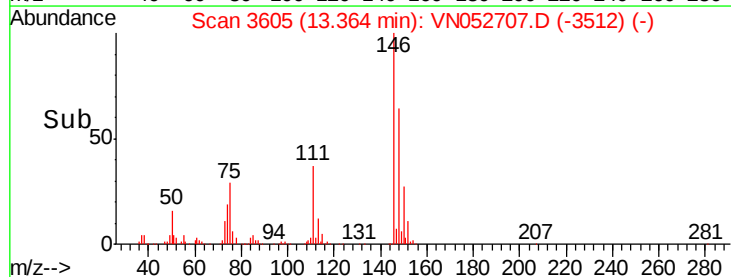
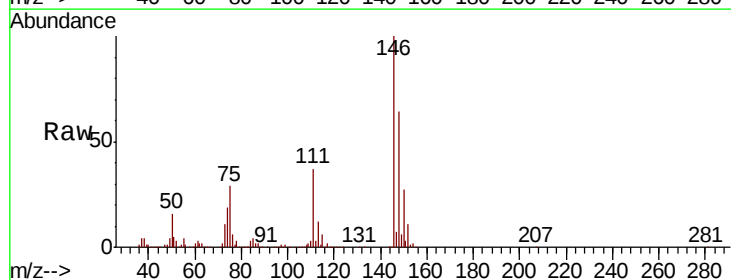
Tgt Ion:146 Resp: 987525

Ion Ratio Lower Upper

146 100

111 37.9 18.6 56.0

148 64.3 31.9 95.9





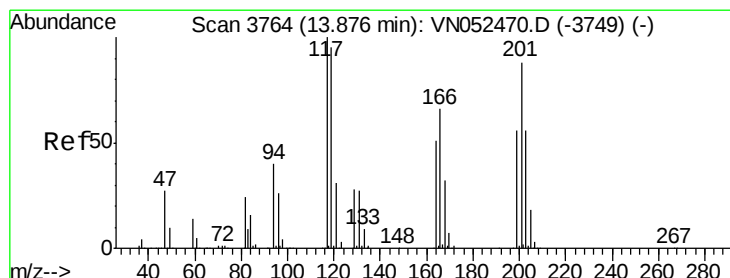
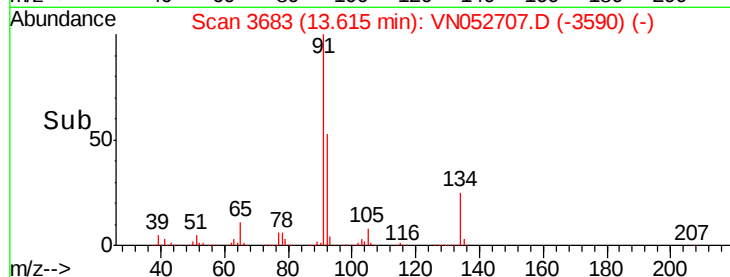
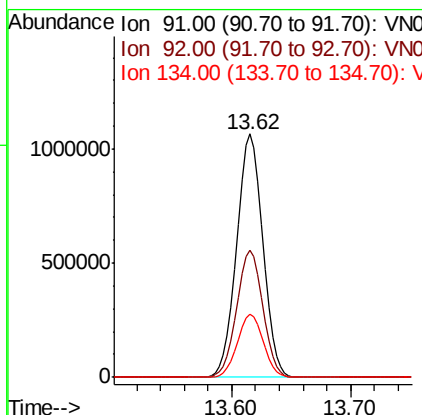
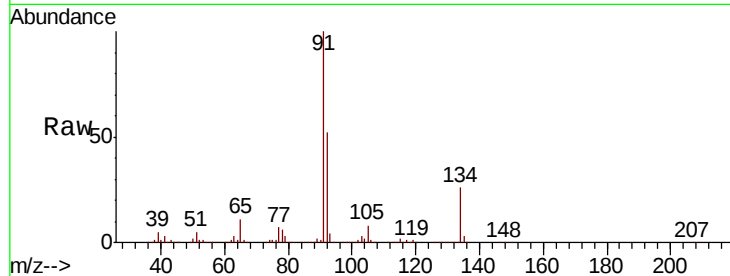
#89
n-Butylbenzene
Concen: 50.013 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1622183
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.3
134 25.8 13.0 38.9

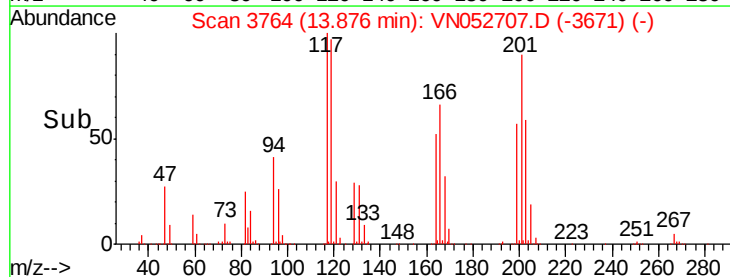
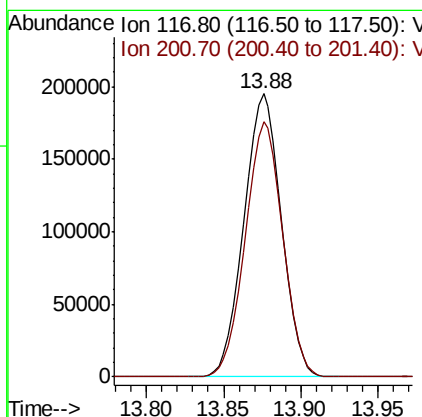
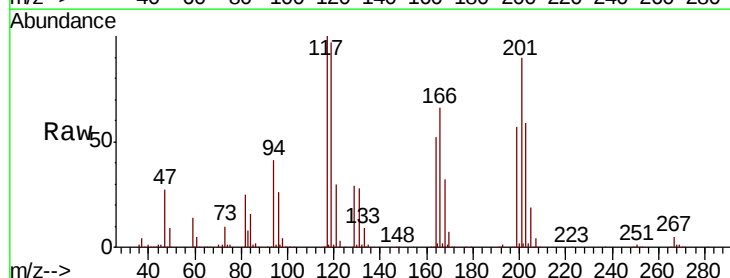
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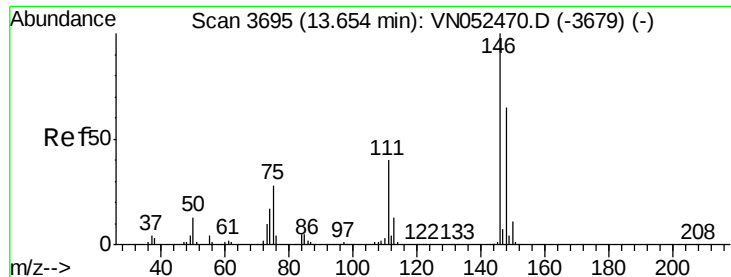
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#90
Hexachloroethane
Concen: 49.874 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052707.D
Acq: 6 Dec 2018 19:06

Tgt Ion: 117 Resp: 329354
Ion Ratio Lower Upper
117 100
201 90.1 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 50.568 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

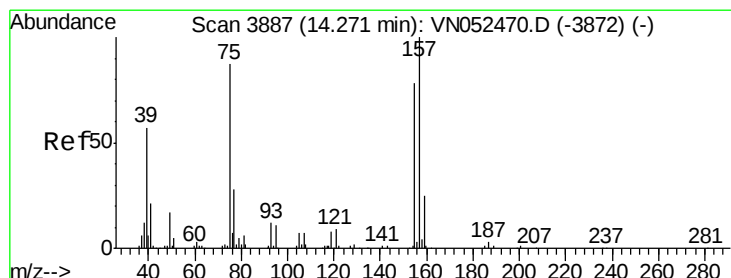
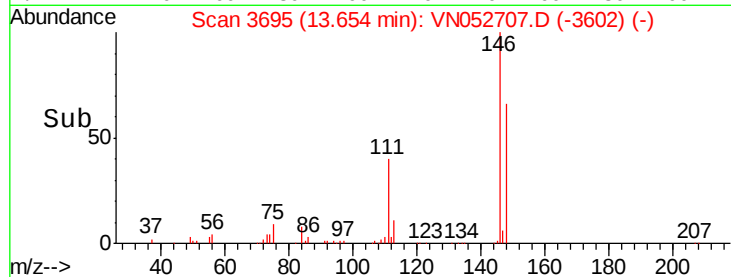
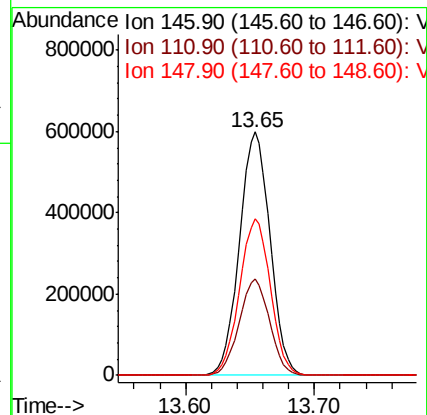
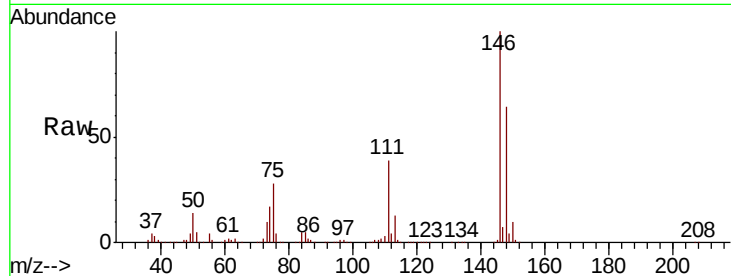
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	987667
Ion Ratio		Lower	Upper
146	100		
111	39.4	20.0	60.0
148	64.8	32.0	96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.497 ug/l

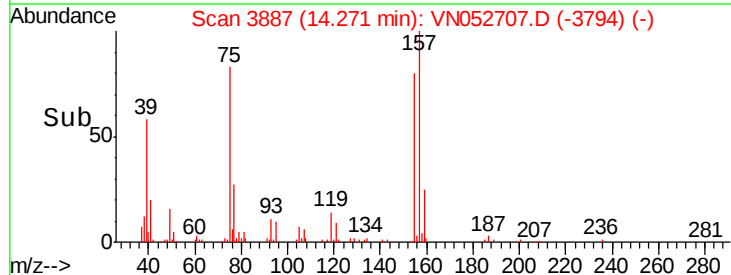
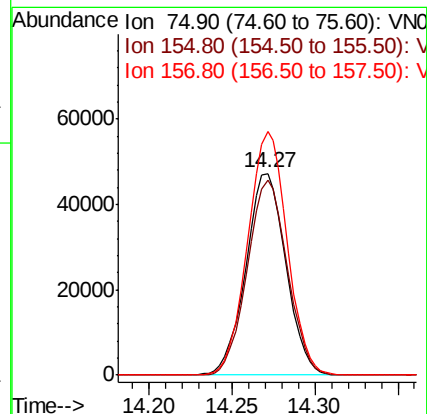
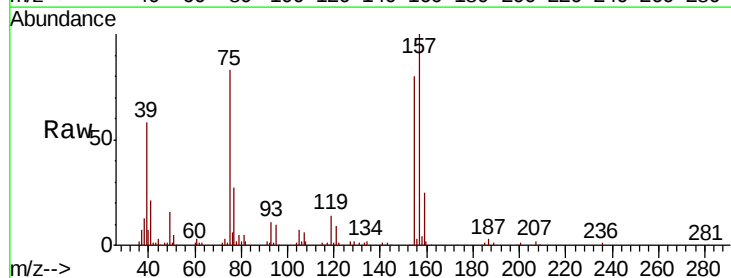
RT: 14.27 min Scan# 3887

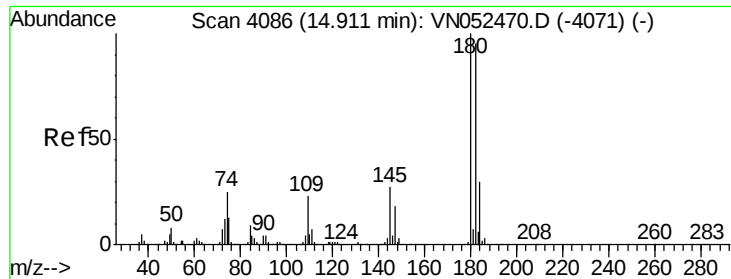
Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Tgt Ion:	75	Resp:	79221
Ion Ratio		Lower	Upper
75	100		
155	96.5	45.3	135.9
157	119.0	58.1	174.2





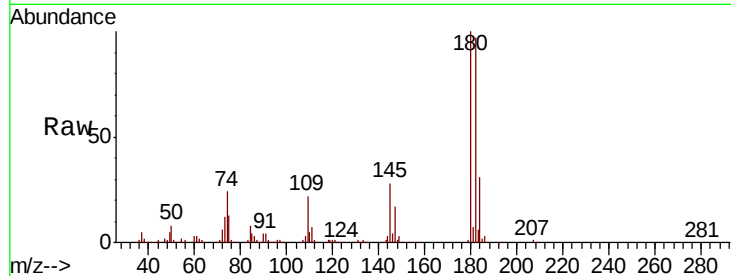
#93
 1,2,4-Trichlorobenzene
 Concen: 46.783 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052707.D
 Acq: 6 Dec 2018 19:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	498492		
182	96.5	47.8	143.4	
145	28.7	14.1	42.3	

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 1:12:56 PM

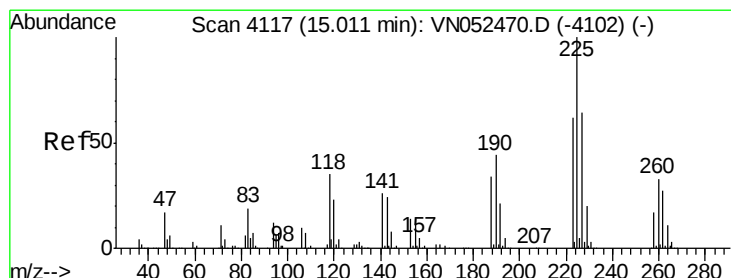
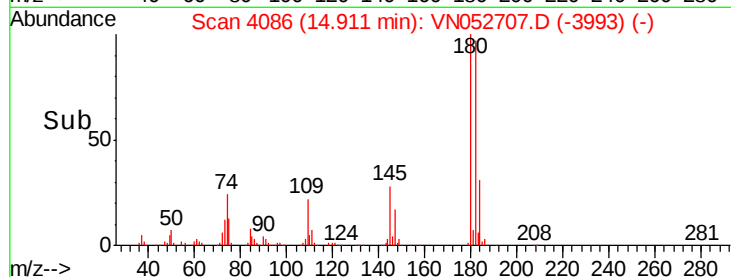
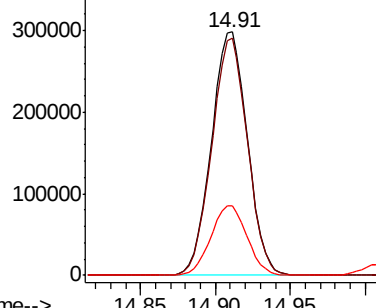


Abundance

Ion 179.80 (179.50 to 180.50): V

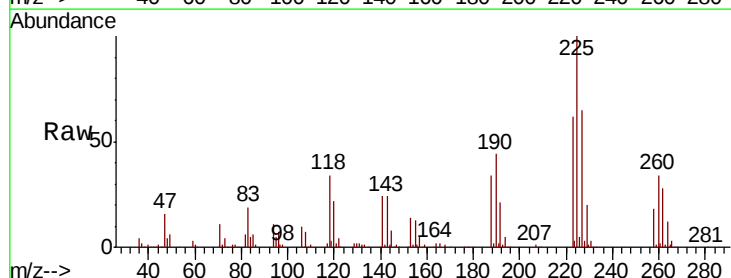
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.171 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052707.D
 Acq: 6 Dec 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	302680		
223	63.1	31.4	94.2	
227	64.1	32.5	97.4	

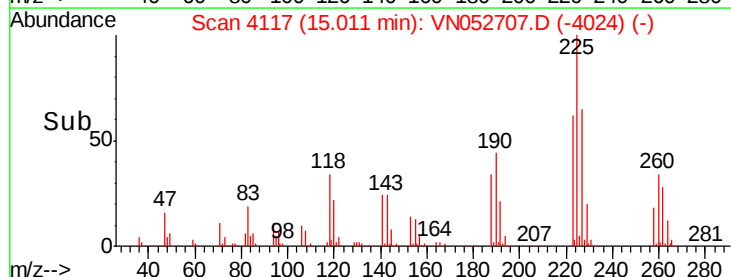
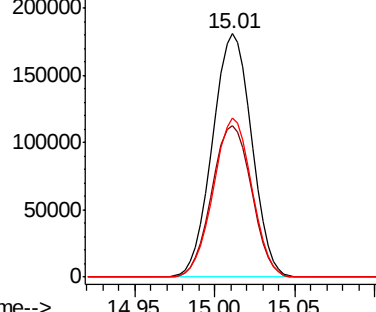


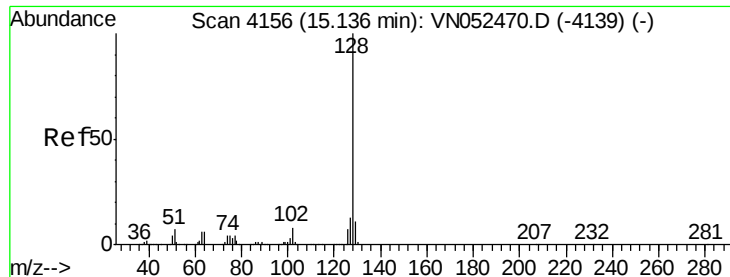
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.120 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1040008

Ion Ratio Lower Upper

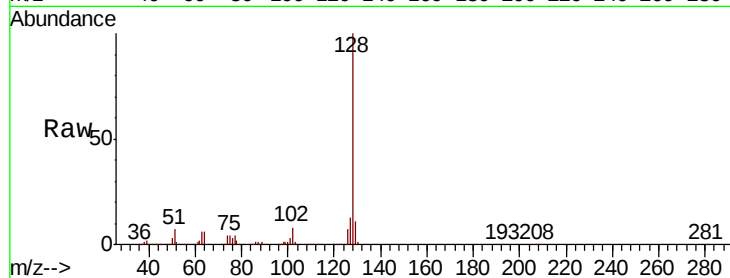
128 100

127 13.0 10.2 15.2

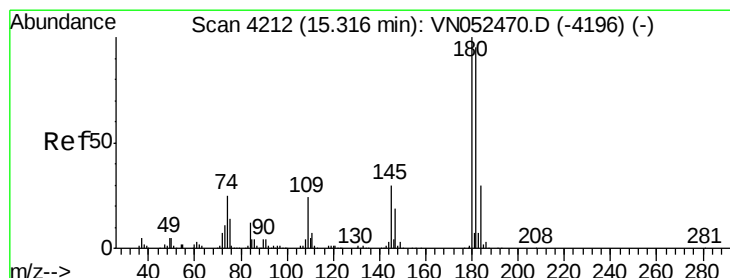
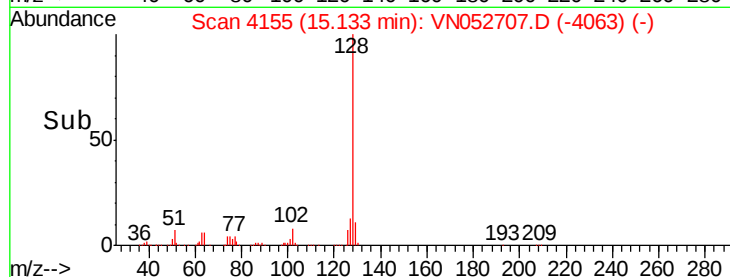
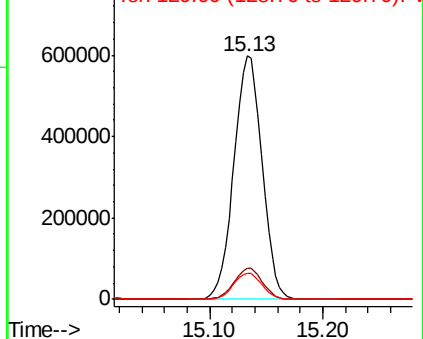
129 10.9 8.7 13.1

Manual Integrations
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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: 47.589 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052707.D

Acq: 6 Dec 2018 19:06

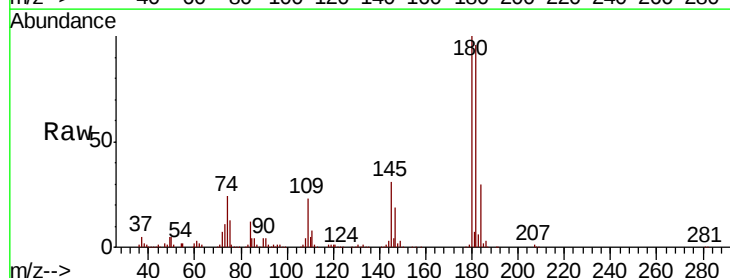
Tgt Ion:180 Resp: 466789

Ion Ratio Lower Upper

180 100

182 95.2 47.8 143.3

145 30.5 15.2 45.5



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

