

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051965.D
 Acq On : 23 Oct 2018 15:33
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 10:09:36 AM

Quant Time: Oct 24 07:25:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 06:55:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1261556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1800071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1692685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	963859	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	506324	45.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.12%	
35) Dibromofluoromethane	7.59	113	551810	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	10.09	98	2012627	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	12.40	95	716695	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	397380	49.637	ug/l	99
3) Chloromethane	2.06	50	350756	48.660	ug/l	99
4) Vinyl Chloride	2.19	62	438776	45.412	ug/l	99
5) Bromomethane	2.57	94	438499	47.400	ug/l	97
6) Chloroethane	2.71	64	313327	43.680	ug/l	100
7) Trichlorofluoromethane	3.02	101	809522	47.021	ug/l	100
8) Diethyl Ether	3.41	74	237919	46.482	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	507138	49.174	ug/l	99
10) Methyl Iodide	3.96	142	788544	54.161	ug/l	98
11) Tert butyl alcohol	4.78	59	123457	212.317	ug/l	100
12) 1,1-Dichloroethene	3.74	96	450127	48.736	ug/l	97
13) Acrolein	3.61	56	68152	210.538	ug/l	100
14) Allyl chloride	4.33	41	429422	43.939	ug/l	94
15) Acrylonitrile	4.99	53	556340	226.649	ug/l	98
16) Acetone	3.82	43	384842	207.893	ug/l	98
17) Carbon Disulfide	4.06	76	1110041	50.561	ug/l	99
18) Methyl Acetate	4.32	43	245764	43.408	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	1143164	46.101	ug/l	98
20) Methylene Chloride	4.55	84	491885	45.296	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	507713	48.539	ug/l	96
22) Diisopropyl ether	5.95	45	1047583	46.851	ug/l	98
23) Vinyl Acetate	5.90	43	3550278	233.407	ug/l	99
24) 1,1-Dichloroethane	5.85	63	754712	46.232	ug/l	98
25) 2-Butanone	6.83	43	572641	216.991	ug/l	98
26) 2,2-Dichloropropane	6.83	77	735072	49.216	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	593204	48.547	ug/l	97
28) Bromochloromethane	7.19	49	298961	45.439	ug/l	91
29) Tetrahydrofuran	7.21	42	367789	205.698	ug/l	98
30) Chloroform	7.37	83	937452	47.030	ug/l	98
31) Cyclohexane	7.66	56	643057	48.986	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	881888	48.382	ug/l	99
36) 1,1-Dichloropropene	7.79	75	670462	48.556	ug/l	99
37) Ethyl Acetate	6.93	43	279528	45.121	ug/l	99
38) Carbon Tetrachloride	7.78	117	796918	50.272	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	876397	51.965	ug/l	98
40) Benzene	8.04	78	1967912	48.000	ug/l	99
41) Methacrylonitrile	7.18	41	146105m	47.087	ug/l	
42) 1,2-Dichloroethane	8.12	62	610443	46.439	ug/l	100
43) Isopropyl Acetate	8.16	43	528574	45.709	ug/l	99
44) Trichloroethene	8.84	130	662505	50.344	ug/l	96
45) 1,2-Dichloropropane	9.12	63	448129	48.319	ug/l	99
46) Dibromomethane	9.21	93	352591	47.162	ug/l	97
47) Bromodichloromethane	9.40	83	698777	49.491	ug/l	100
48) Methyl methacrylate	9.20	41	256895	45.961	ug/l	98
49) 1,4-Dioxane	9.20	88	94165	918.767	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1409499	221.588	ug/l	100
52) Toluene	10.16	92	1383436	49.762	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	679109	47.169	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	761936	51.630	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	492178	47.915	ug/l	98
56) Ethyl methacrylate	10.43	69	529201	47.928	ug/l	99
57) 1,3-Dichloropropane	10.71	76	738064	47.330	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1371513	237.391	ug/l	100
59) 2-Hexanone	10.75	43	968591	226.631	ug/l	99
60) Dibromochloromethane	10.90	129	600663	46.004	ug/l	99
61) 1,2-Dibromoethane	11.00	107	523832	48.366	ug/l	99
64) Tetrachloroethene	10.63	164	651009	50.109	ug/l	96
65) Chlorobenzene	11.43	112	1692582	49.526	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	621732	50.613	ug/l	99
67) Ethyl Benzene	11.51	91	2701039	49.168	ug/l	98
68) m/p-Xylenes	11.62	106	2254180	102.701	ug/l	99
69) o-Xylene	11.95	106	1076721	50.441	ug/l	100
70) Styrene	11.96	104	1756225	51.475	ug/l	99
71) Bromoform	12.13	173	396823	44.044	ug/l #	100
73) Isopropylbenzene	12.25	105	2967259	48.542	ug/l	100
74) N-amyl acetate	12.07	43	525359	43.664	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	554973	43.938	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	413338m	41.516	ug/l	
77) Bromobenzene	12.53	156	823786	48.831	ug/l	96
78) n-propylbenzene	12.59	91	3246459	49.233	ug/l	100
79) 2-Chlorotoluene	12.67	91	1844655	48.037	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2472704	50.419	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	136938	44.541	ug/l	96
82) 4-Chlorotoluene	12.77	91	1947518	48.984	ug/l	98
83) tert-Butylbenzene	12.99	119	2287006	49.305	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2520690	49.828	ug/l	99
85) sec-Butylbenzene	13.17	105	3079638	50.834	ug/l	99
86) p-Isopropyltoluene	13.29	119	2839938	52.068	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1564498	50.282	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1574545	51.329	ug/l	99
89) n-Butylbenzene	13.61	91	2259772	52.032	ug/l	99
90) Hexachloroethane	13.87	117	427601	52.624	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1506915	50.063	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85295	43.982	ug/l	96

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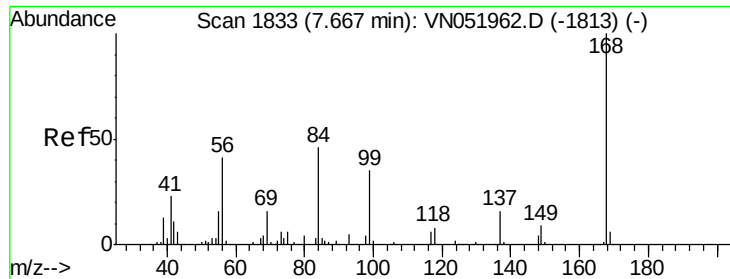
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	928866	52.241	ug/l	100
94) Hexachlorobutadiene	15.01	225	473847	51.865	ug/l	99
95) Naphthalene	15.13	128	1919865	49.719	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	863292	50.796	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

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ClientSampleId :

ICVVN102318

Tot Ion:168 Resp: 1261556

Ion Ratio Lower Upper

168 100

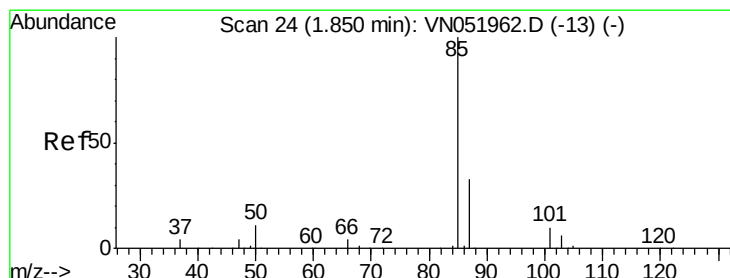
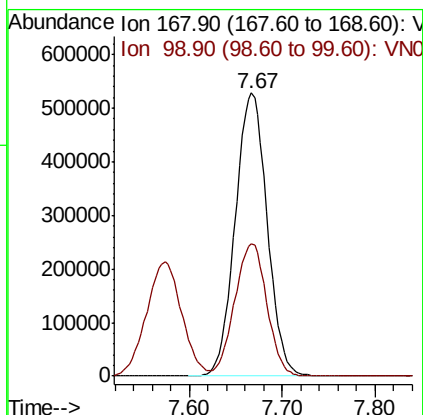
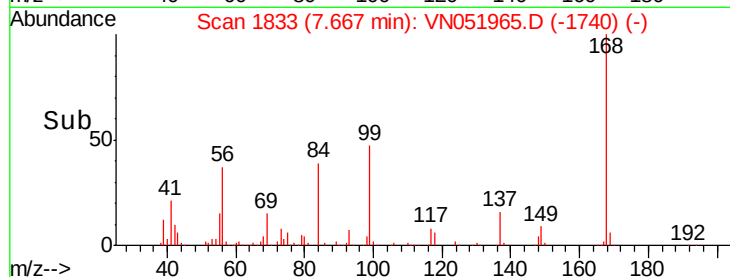
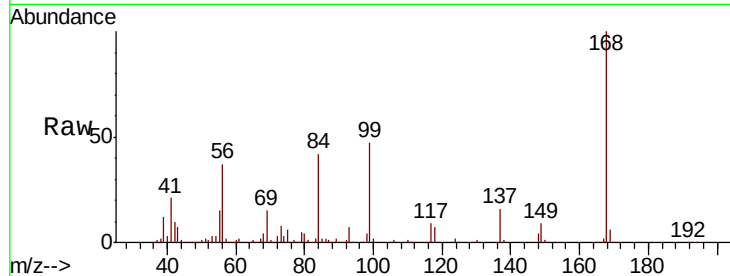
99 46.8 37.8 56.6

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#2

Dichlorodifluoromethane

Concen: 49.637 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051965.D

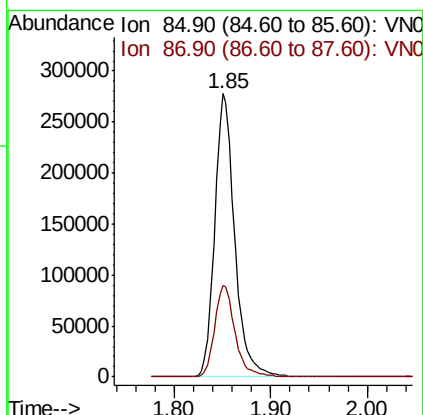
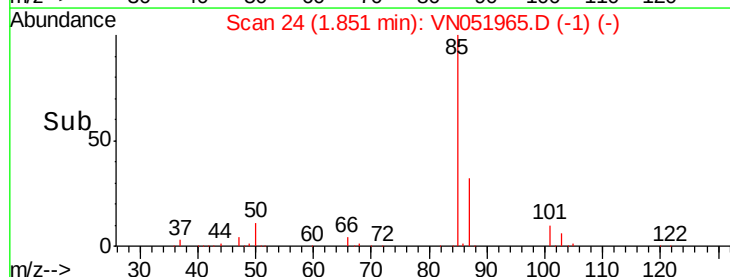
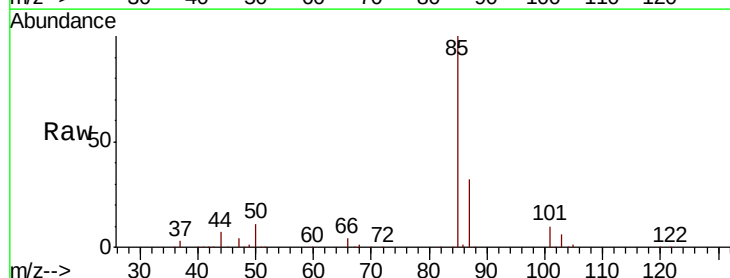
Acq: 23 Oct 2018 15:33

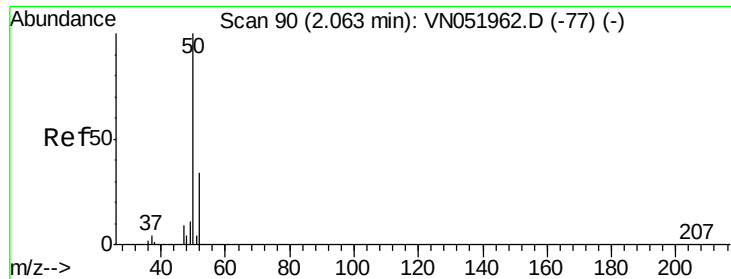
Tgt Ion: 85 Resp: 397380

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.2





#3

Chloromethane

Concen: 48.660 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102318

Tot Ion: 50 Resp: 350756

Ion Ratio Lower Upper

50 100

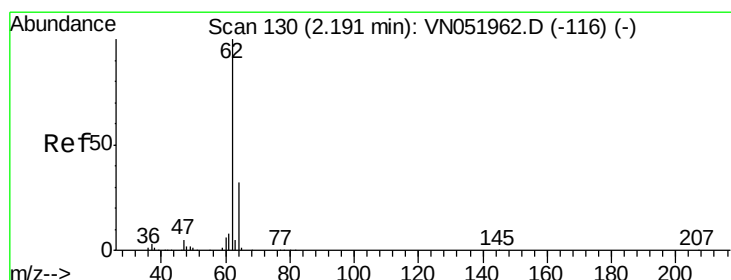
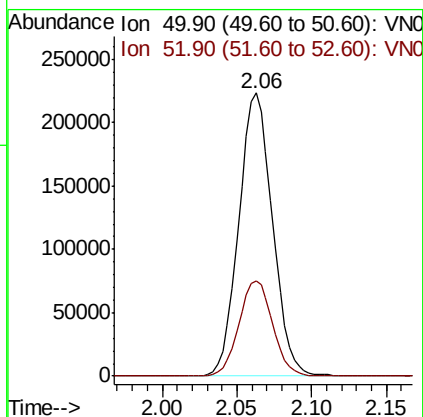
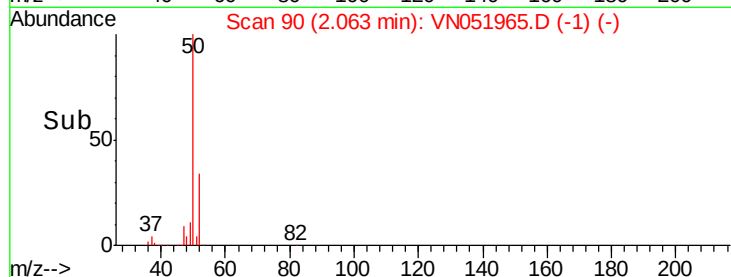
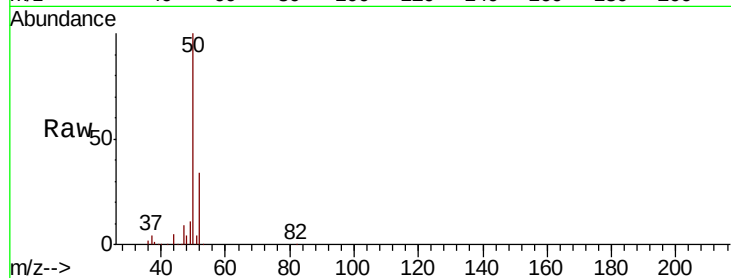
52 33.7 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.412 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN051965.D

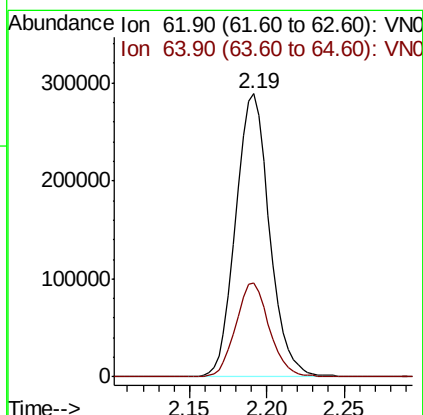
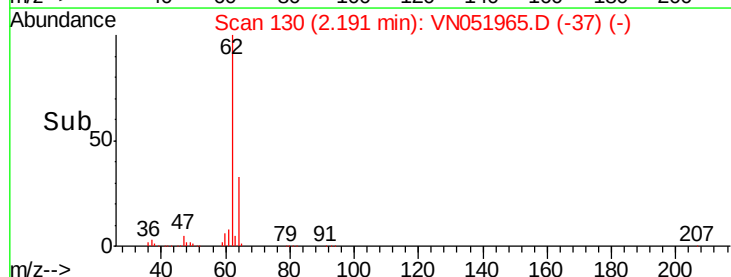
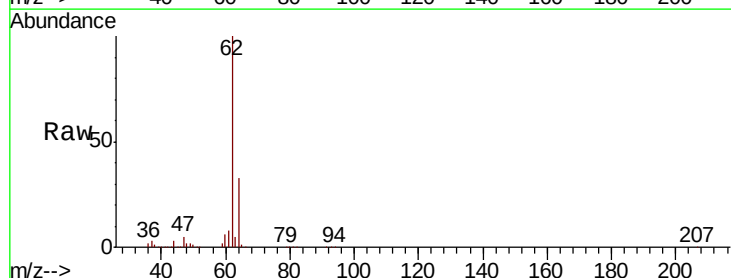
Acq: 23 Oct 2018 15:33

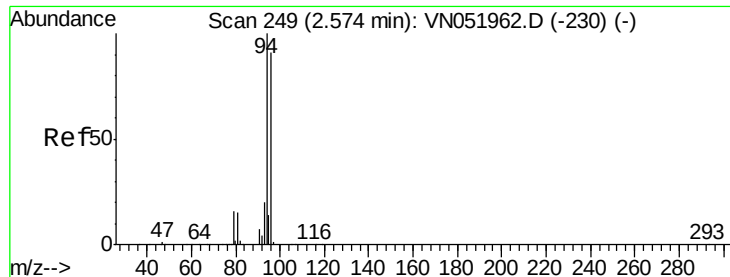
Tgt Ion: 62 Resp: 438776

Ion Ratio Lower Upper

62 100

64 33.2 26.0 39.0





#5

Bromomethane

Concen: 47.400 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102318

Tot Ion: 94 Resp: 438499

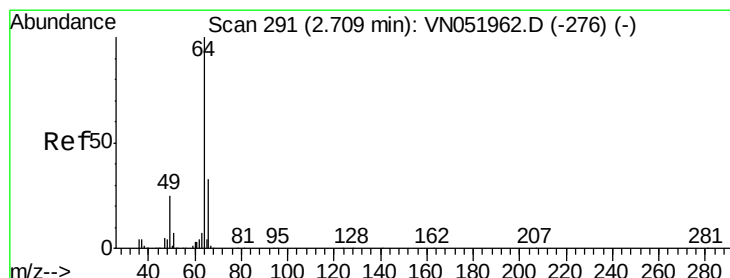
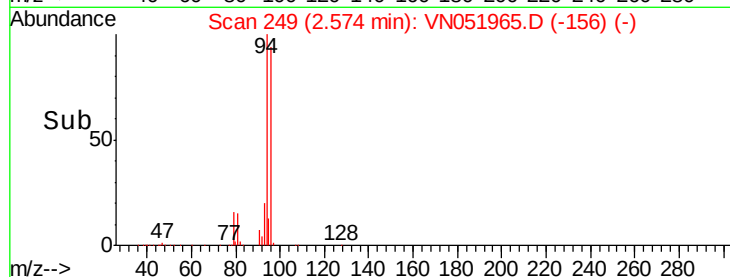
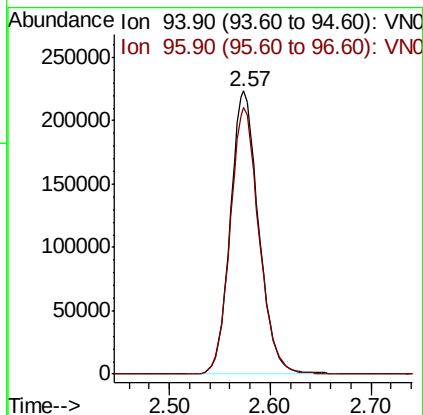
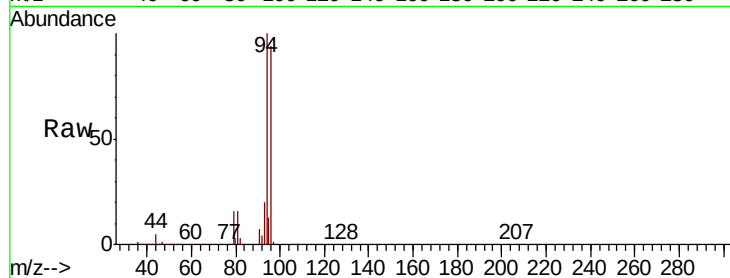
Ion Ratio Lower Upper

94 100

96 94.1 73.0 109.6

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#6

Chloroethane

Concen: 43.680 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051965.D

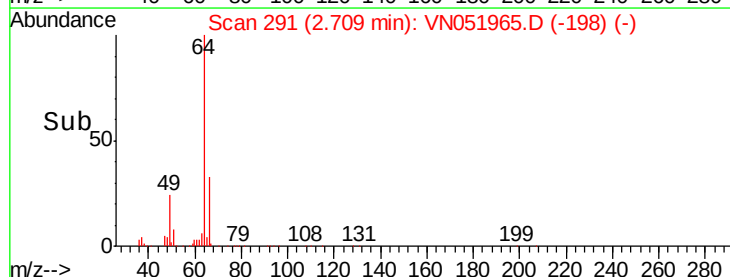
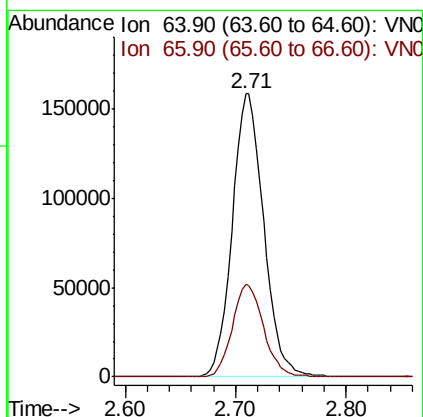
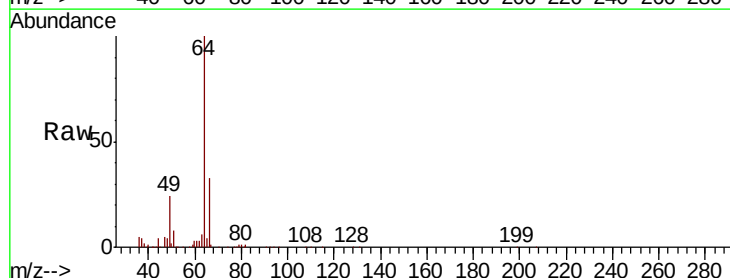
Acq: 23 Oct 2018 15:33

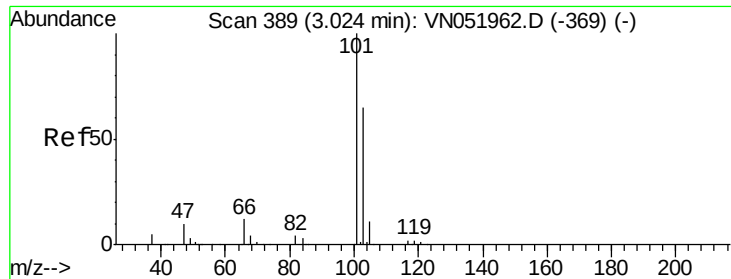
Tgt Ion: 64 Resp: 313327

Ion Ratio Lower Upper

64 100

66 32.6 26.2 39.2





#7

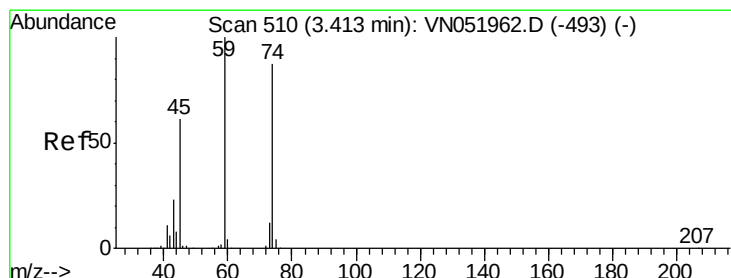
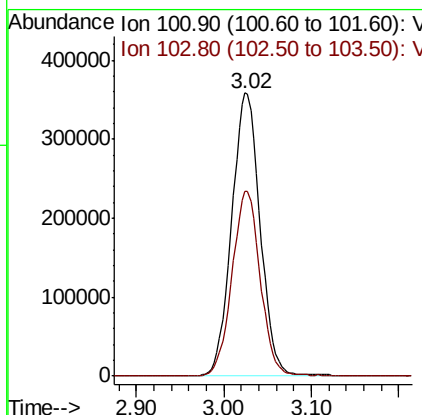
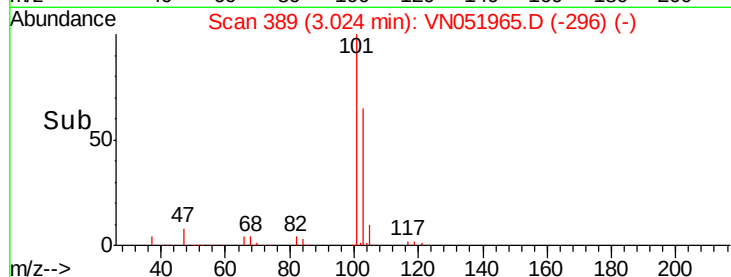
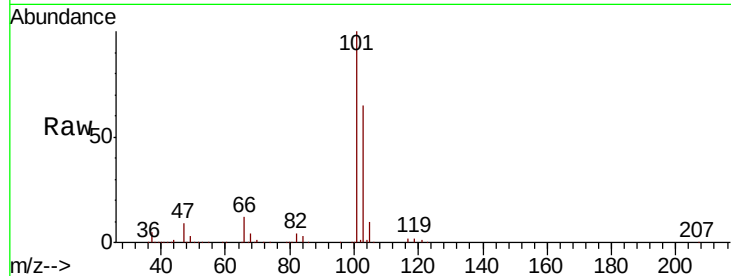
Trichlorofluoromethane
 Concen: 47.021 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
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 ICVVN102318

Tot Ion	Ratio	Resp	Lower	Upper
101	100	809522		
103	65.2	52.0	78.0	

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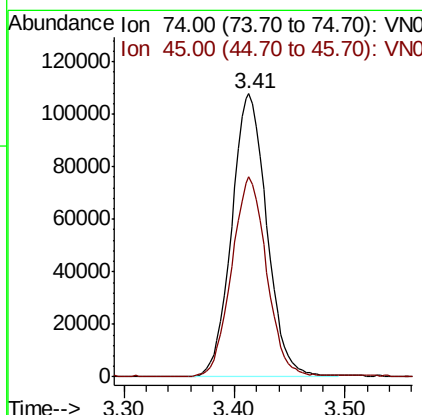
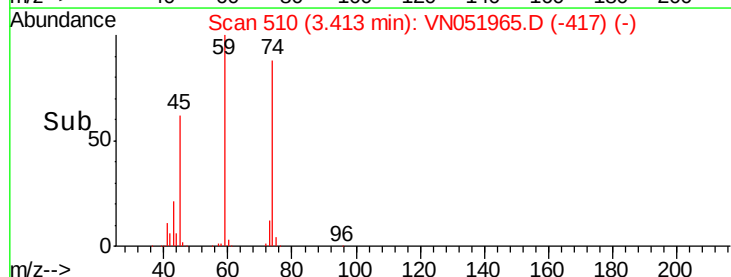
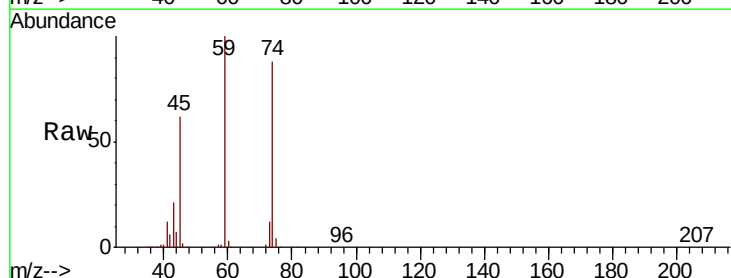
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 10/24/2018 10:09:36 AM

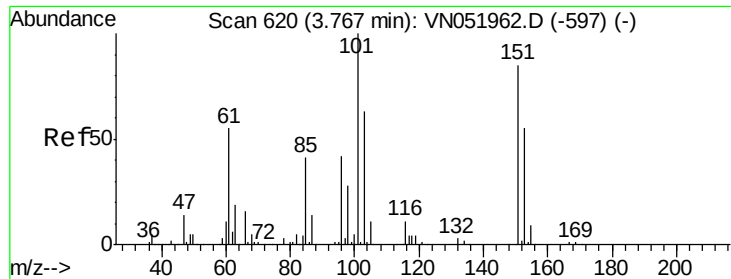


#8

Diethyl Ether
 Concen: 46.482 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	237919		
45	69.4	35.5	106.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.174 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

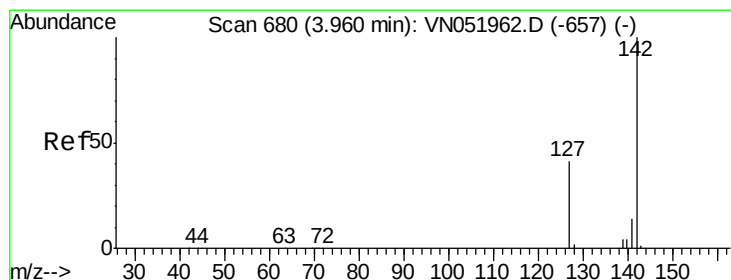
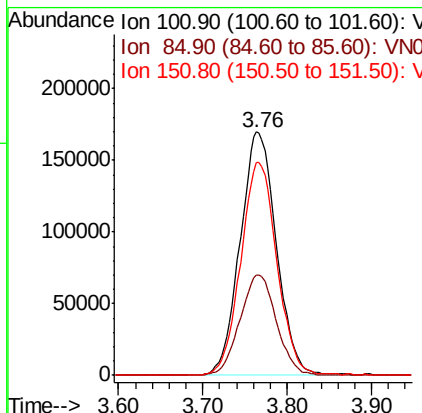
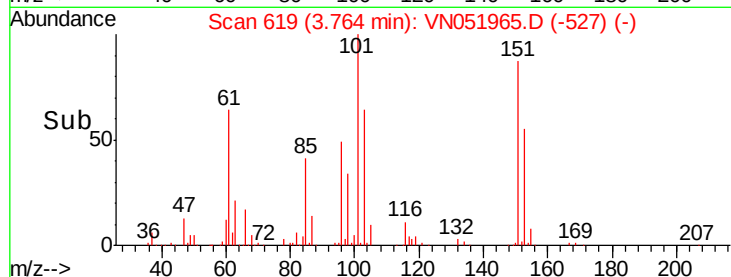
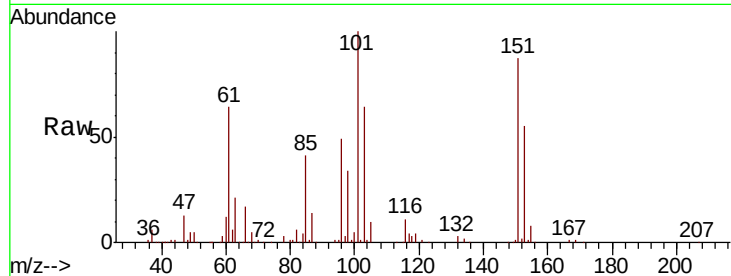
ClientSampleId :

ICVVN102318

Tot Ion:	101	Resp:	507138
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.2	51.4
151	87.3	69.1	103.7

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#10

Methyl Iodide

Concen: 54.161 ug/l

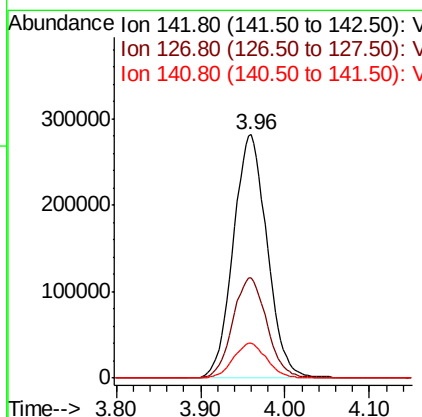
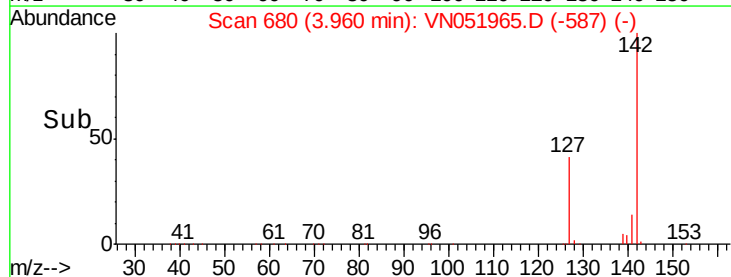
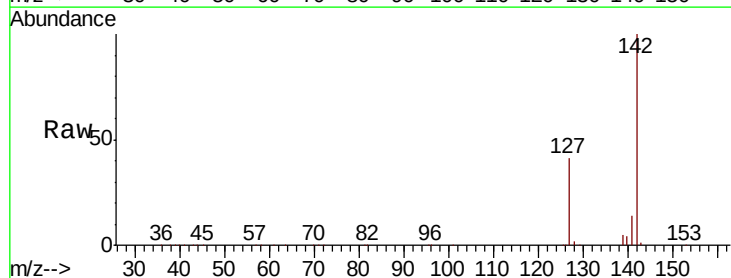
RT: 3.96 min Scan# 680

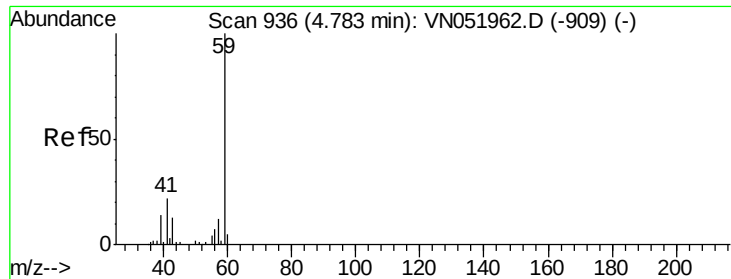
Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion:	142	Resp:	788544
Ion Ratio	Lower	Upper	
142	100		
127	41.5	34.3	51.5
141	14.2	11.4	17.0





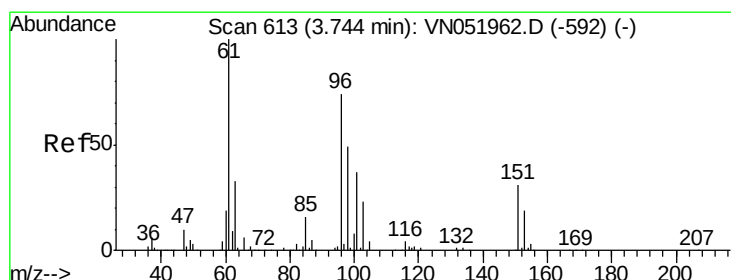
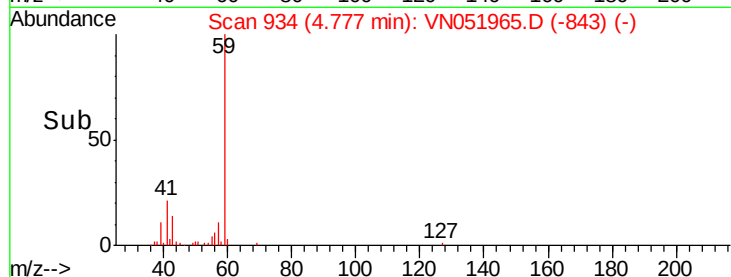
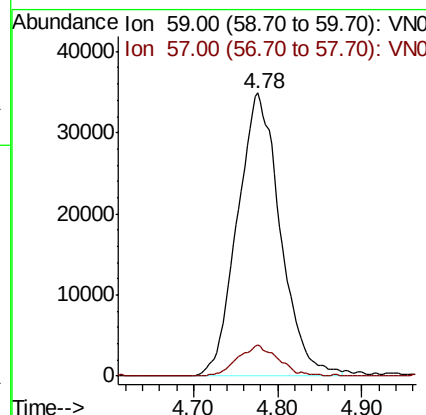
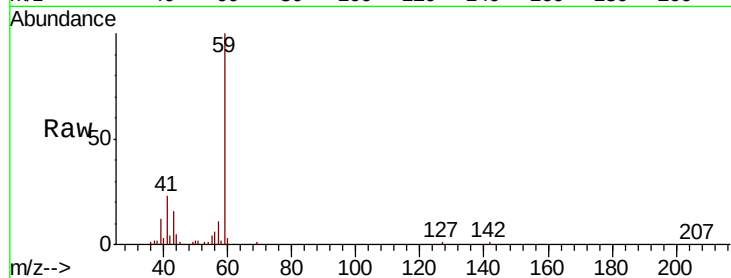
#11
Tert butyl alcohol
Concen: 212.317 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Resp	Lower	Upper
59	100	123457		
57	10.4		8.2	12.4

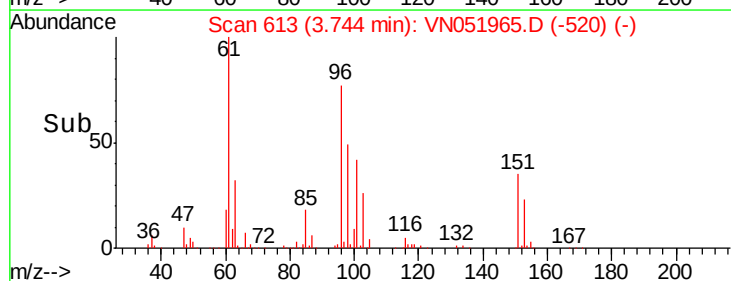
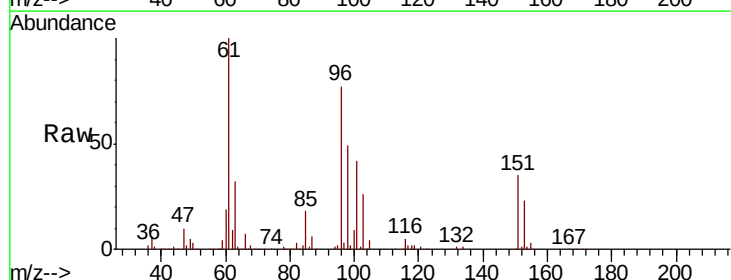
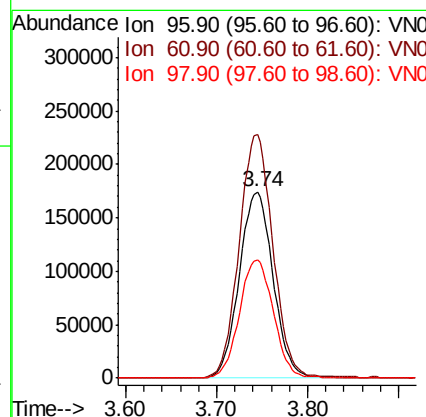
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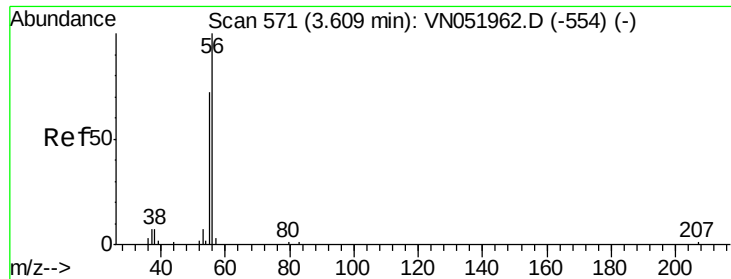
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#12
1,1-Dichloroethene
Concen: 48.736 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	450127		
61	130.6		107.8	161.8
98	63.4		52.7	79.1





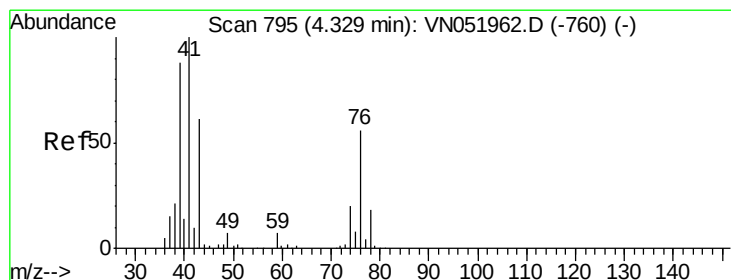
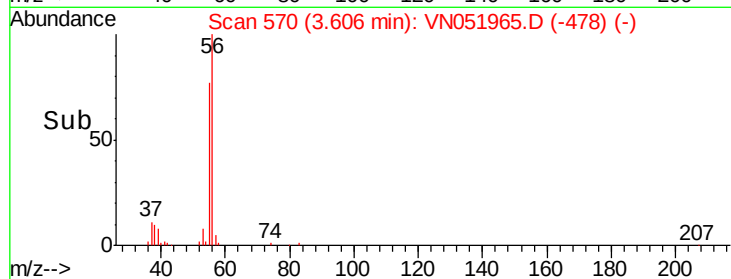
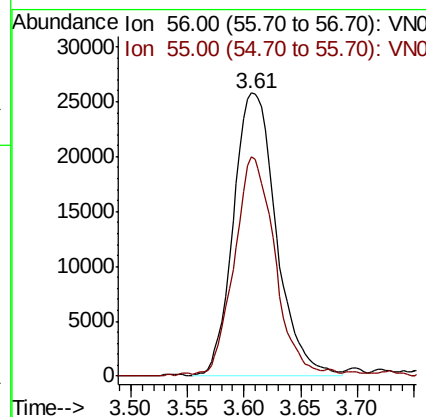
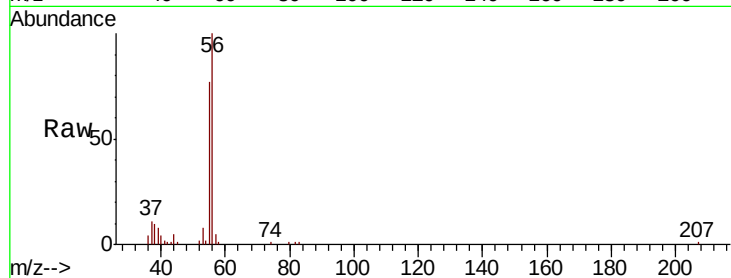
#13
Acrolein
Concen: 210.538 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	56	Resp	68152
Ion Ratio	100	Lower	Upper
56	100		
55	70.7	56.6	84.8

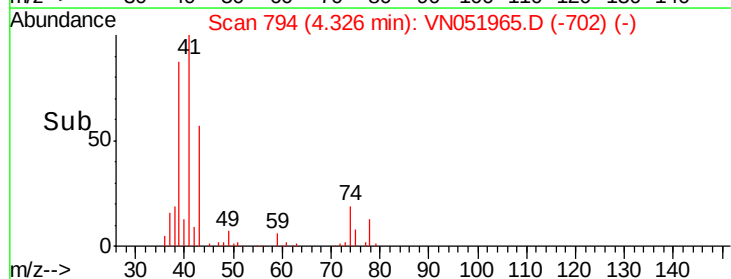
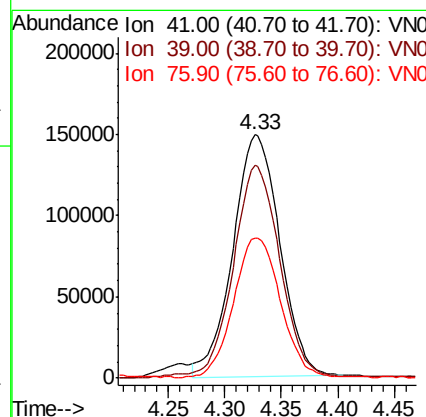
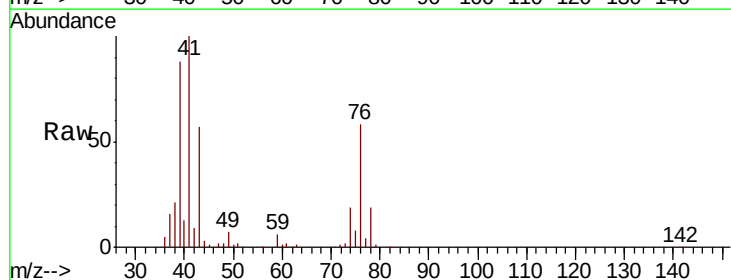
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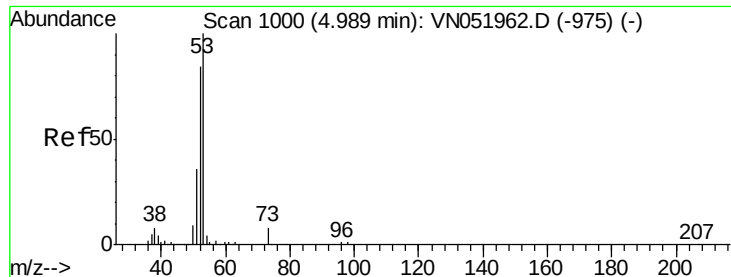
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10/24/2018 10:09:36 AM



#14
Allyl chloride
Concen: 43.939 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	41	Resp	429422
Ion Ratio	100	Lower	Upper
41	100		
39	88.6	67.7	101.5
76	57.3	41.3	61.9





#15

Acrylonitrile

Concen: 226.649 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

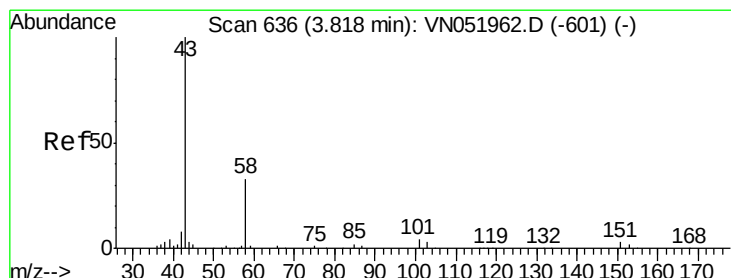
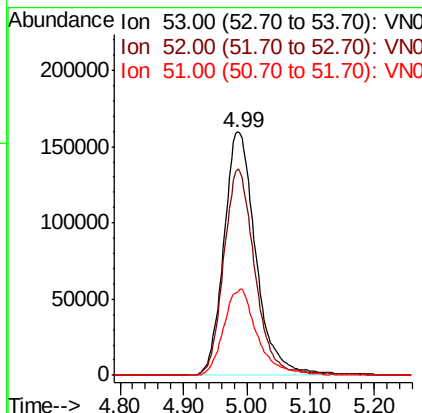
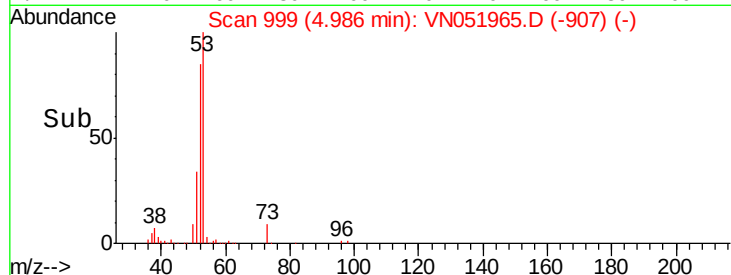
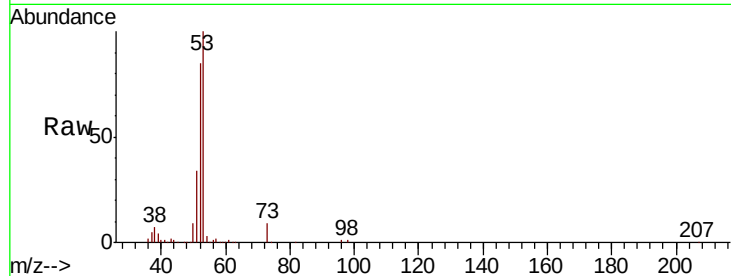
ClientSampleId :

ICVFN102318

Tot Ion:	53	Resp:	556340
Ion Ratio	Lower	Upper	
53	100		
52	81.3	67.0	100.4
51	37.2	29.5	44.3

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#16

Acetone

Concen: 207.893 ug/l

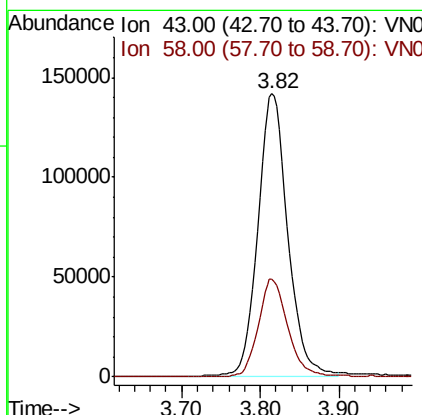
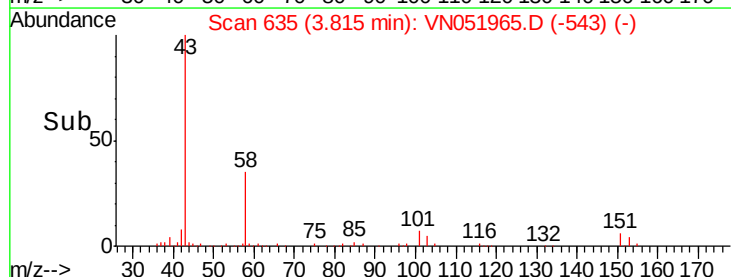
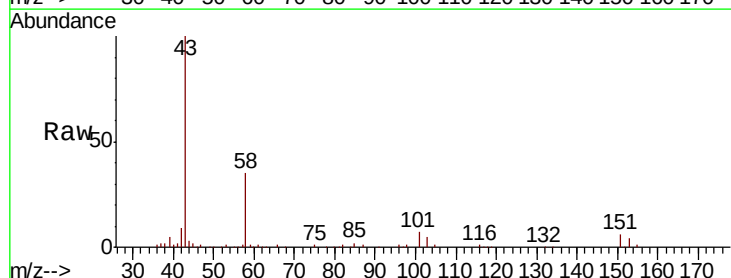
RT: 3.82 min Scan# 635

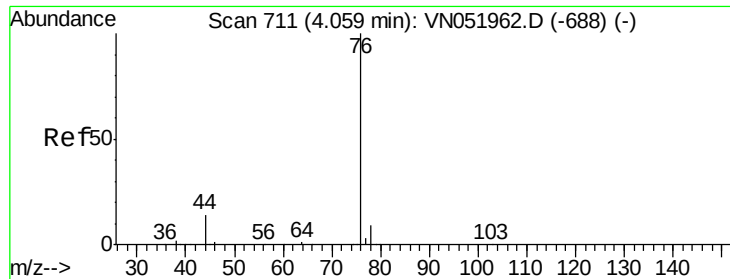
Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion:	43	Resp:	384842
Ion Ratio	Lower	Upper	
43	100		
58	34.3	26.7	40.1





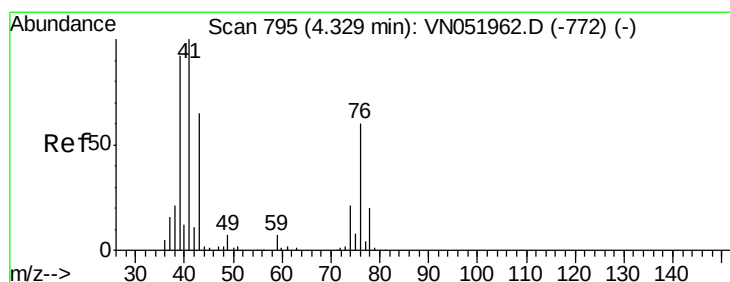
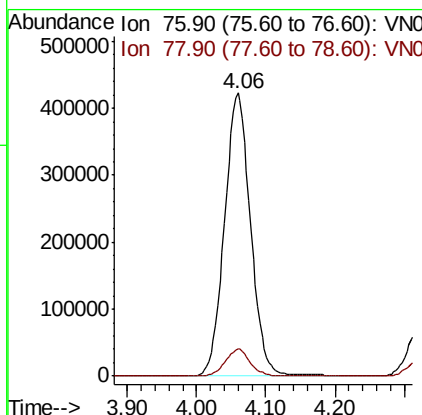
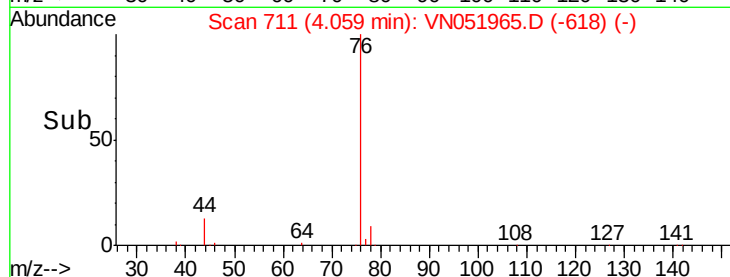
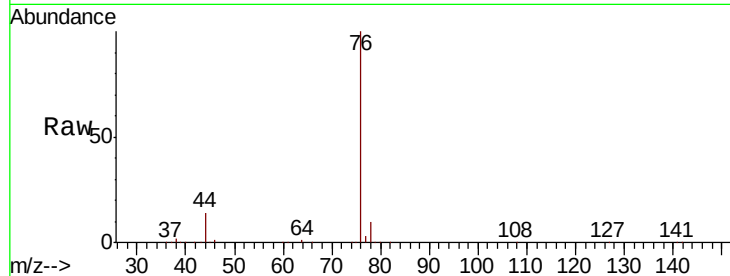
#17
Carbon Disulfide
Concen: 50.561 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion: 76 Resp: 1110041
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9

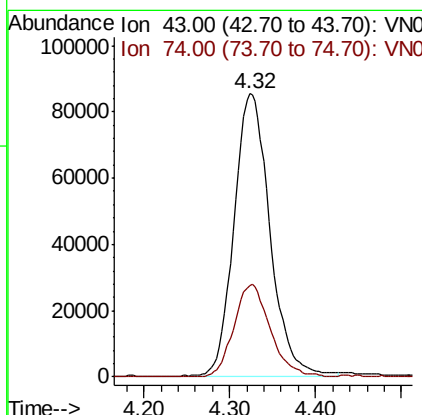
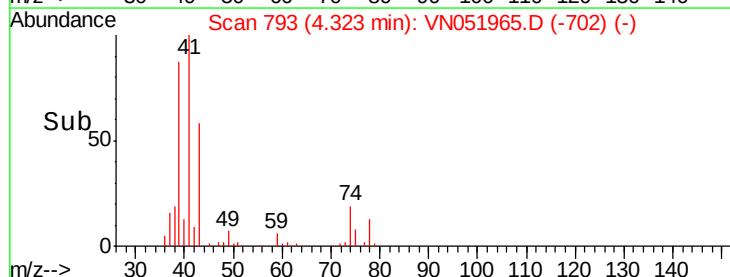
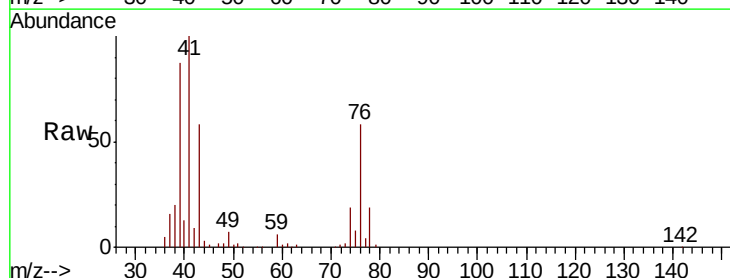
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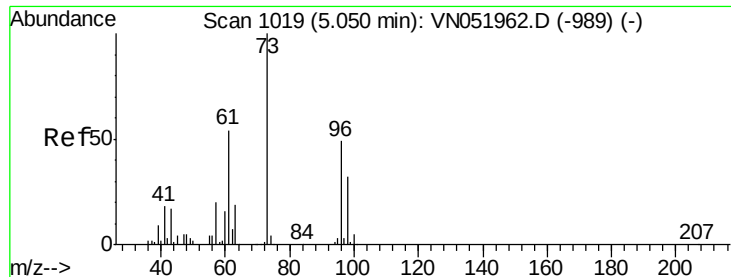
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#18
Methyl Acetate
Concen: 43.408 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion: 43 Resp: 245764
Ion Ratio Lower Upper
43 100
74 33.5 25.7 38.5





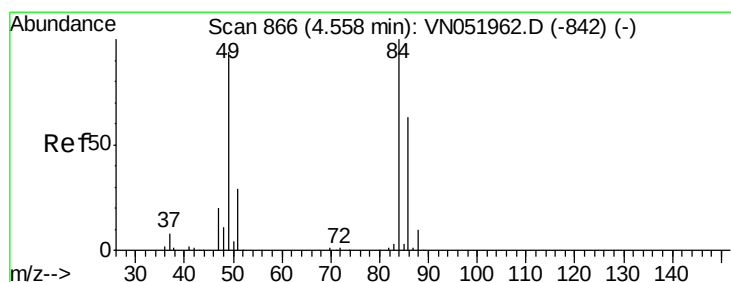
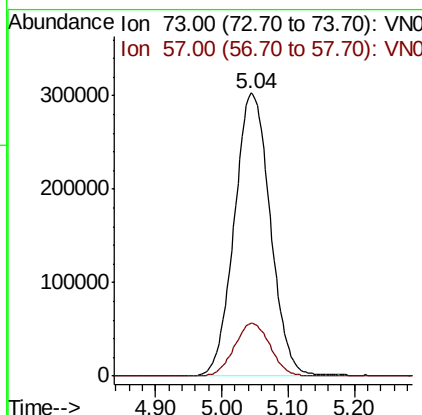
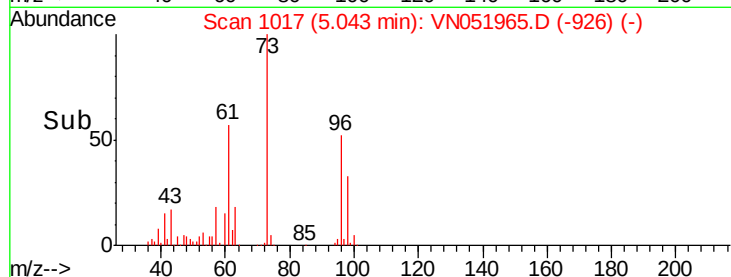
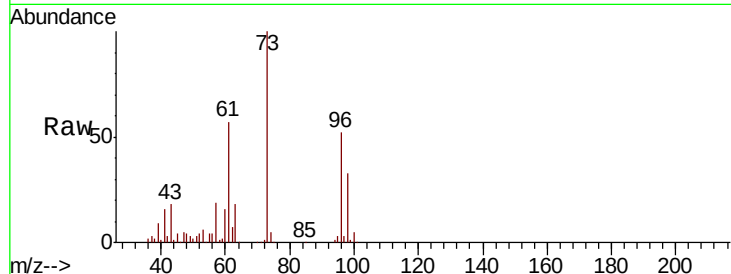
#19
Methyl tert-butyl Ether
Concen: 46.101 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion: 73 Resp: 1143164
Ion Ratio Lower Upper
73 100
57 18.8 15.9 23.9

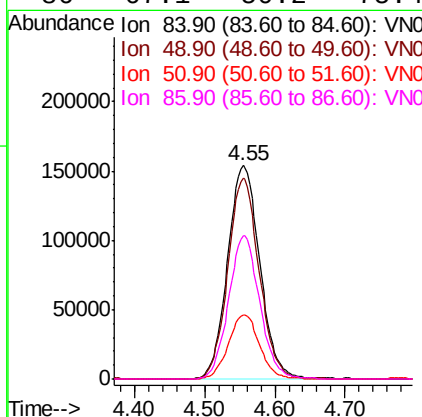
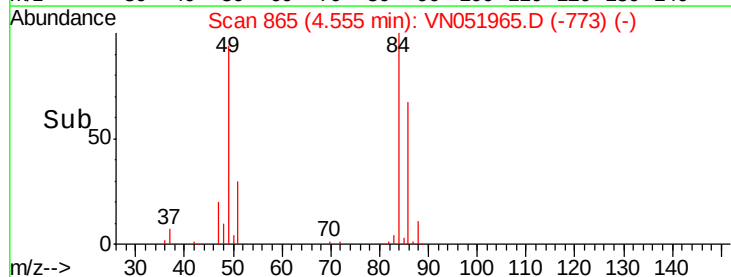
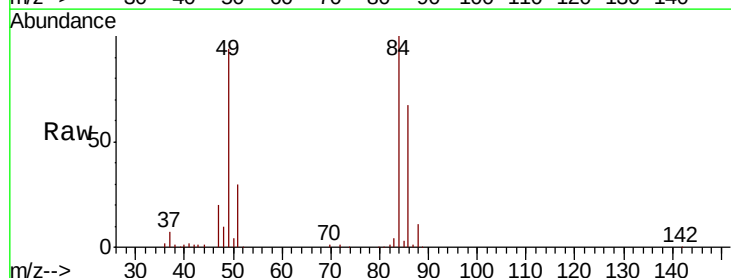
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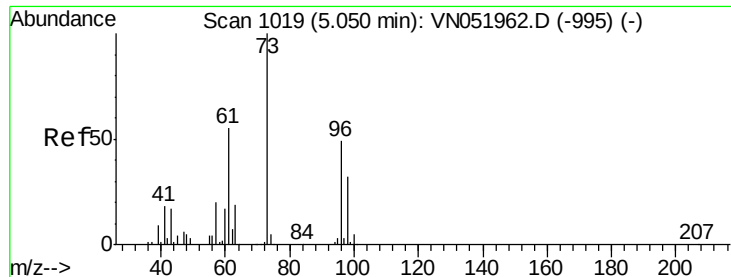
MMDadoda
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#20
Methylene Chloride
Concen: 45.296 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion: 84 Resp: 491885
Ion Ratio Lower Upper
84 100
49 94.2 75.4 113.0
51 29.7 23.1 34.7
86 67.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 48.539 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

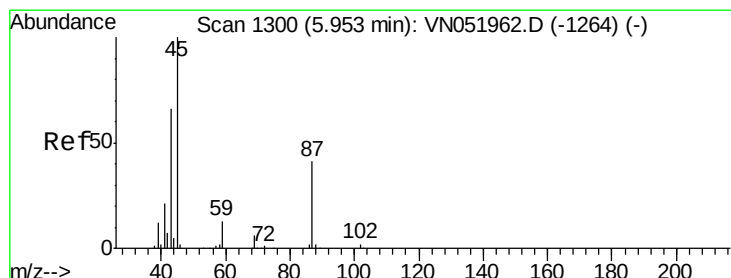
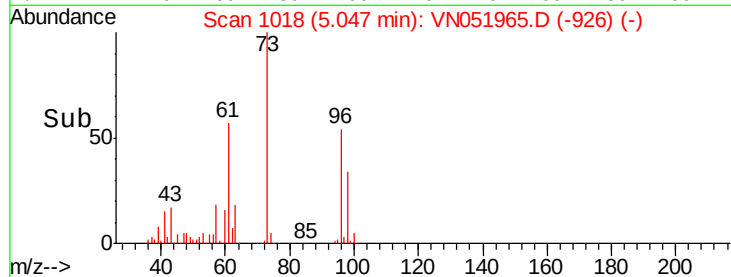
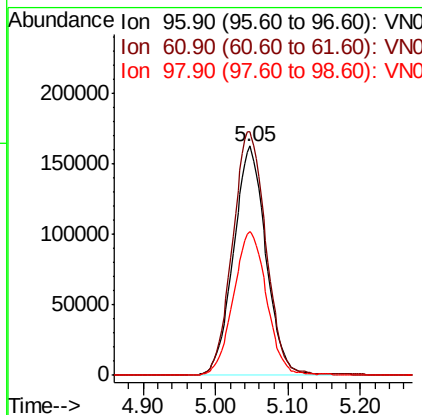
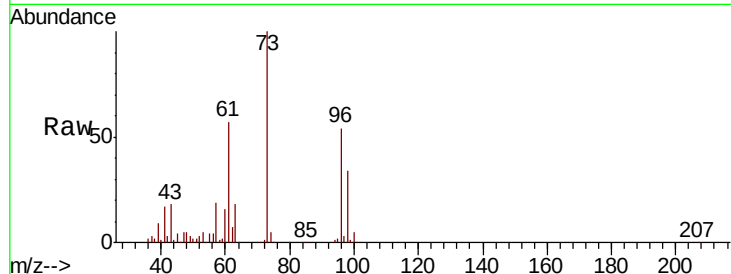
ClientSampleId :

ICVVN102318

Tot Ion:	96	Resp:	507713
Ion	Ratio	Lower	Upper
96	100		
61	106.3	89.0	133.4
98	62.8	51.8	77.8

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#22

Diisopropyl ether

Concen: 46.851 ug/l

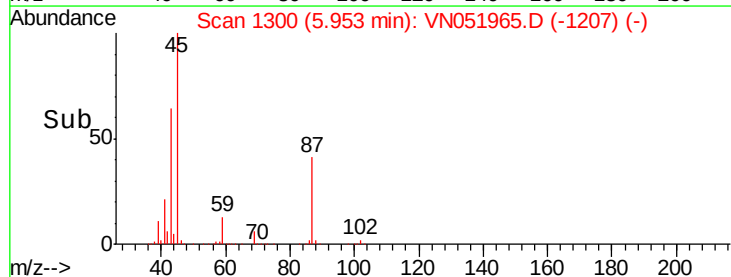
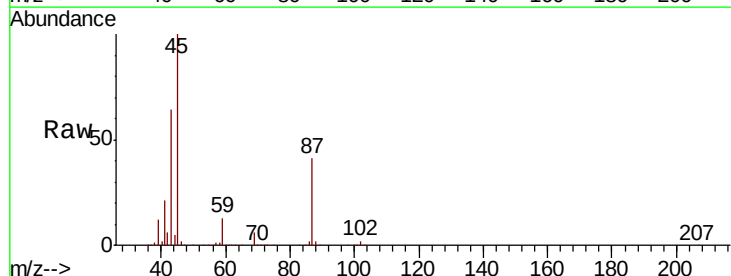
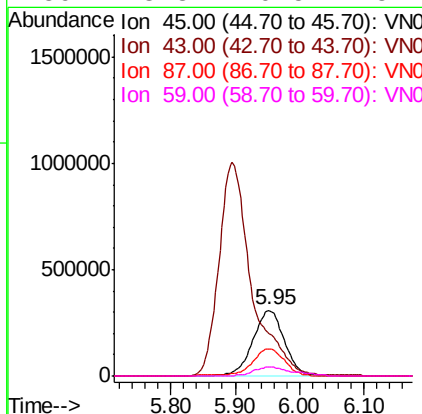
RT: 5.95 min Scan# 1300

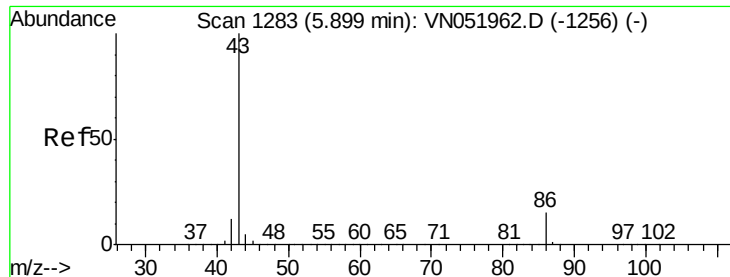
Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion:	45	Resp:	1047583
Ion	Ratio	Lower	Upper
45	100		
43	63.8	52.9	79.3
87	40.8	33.4	50.0
59	13.3	10.5	15.7





#23

Vinyl Acetate

Concen: 233.407 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102318

Tot Ion: 43 Resp: 3550278

Ion Ratio Lower Upper

43 100

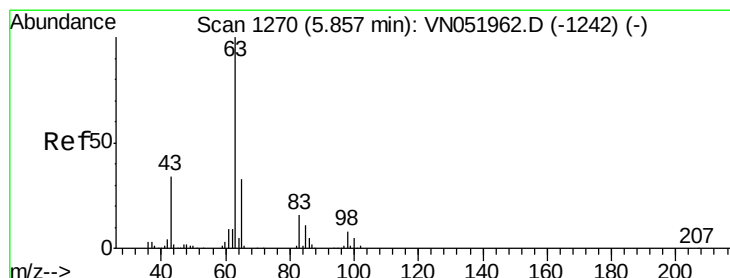
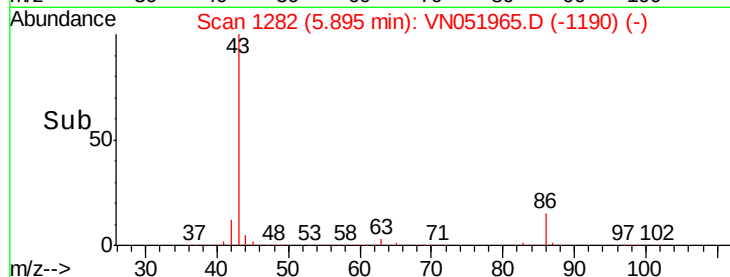
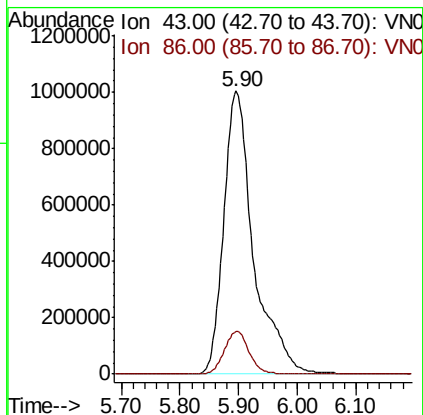
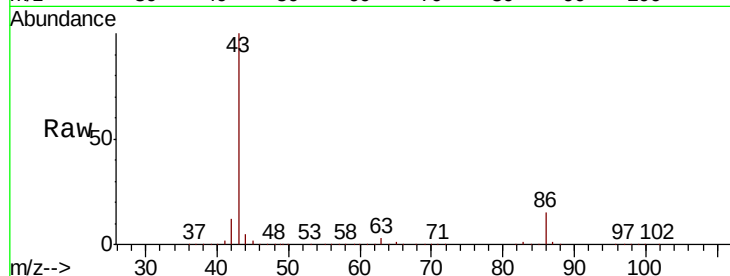
86 15.2 11.9 17.9

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#24

1,1-Dichloroethane

Concen: 46.232 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

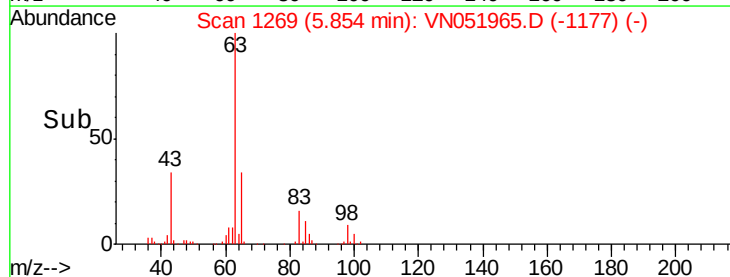
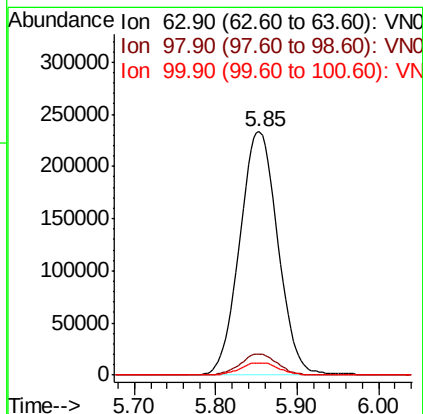
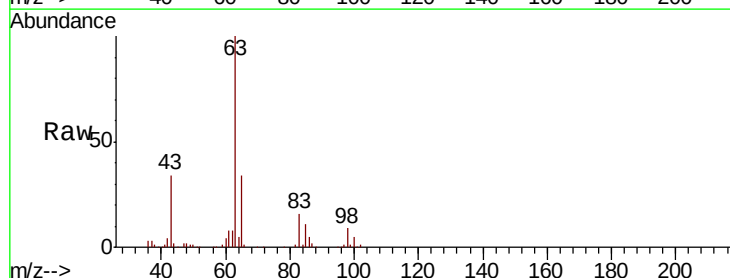
Tgt Ion: 63 Resp: 754712

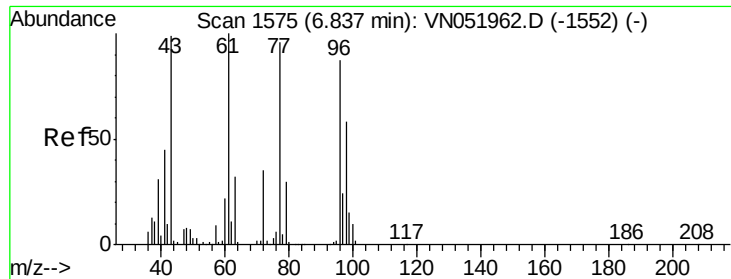
Ion Ratio Lower Upper

63 100

98 8.6 3.9 11.7

100 5.0 2.6 8.0





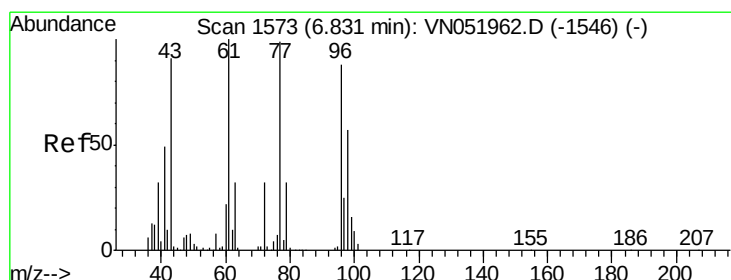
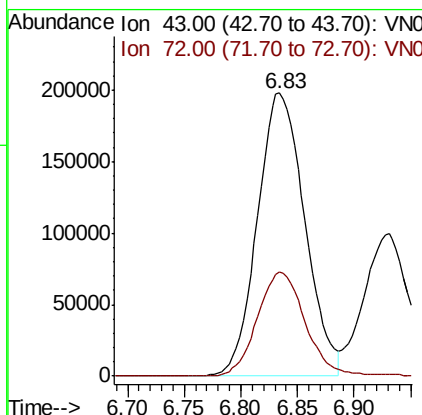
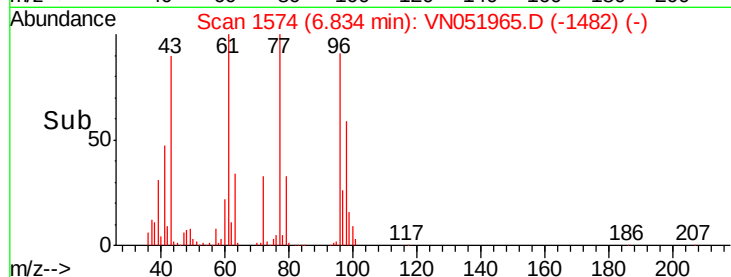
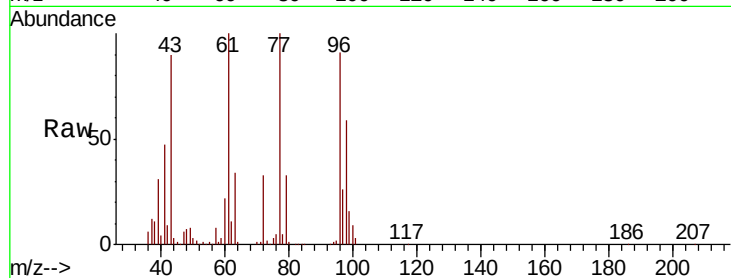
#25
2-Butanone
Concen: 216.991 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Lower	Upper
43	100		
72	36.7	28.5	42.7

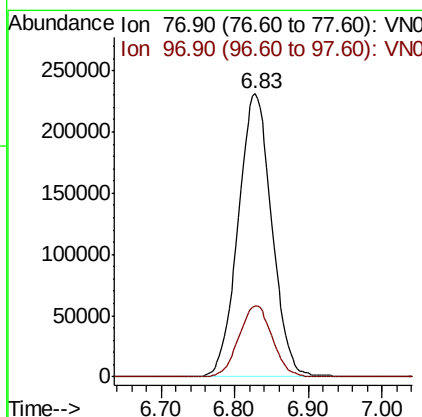
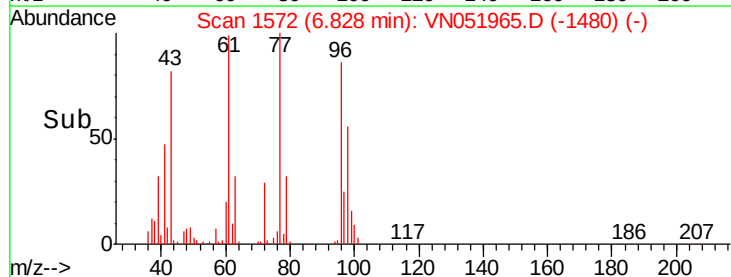
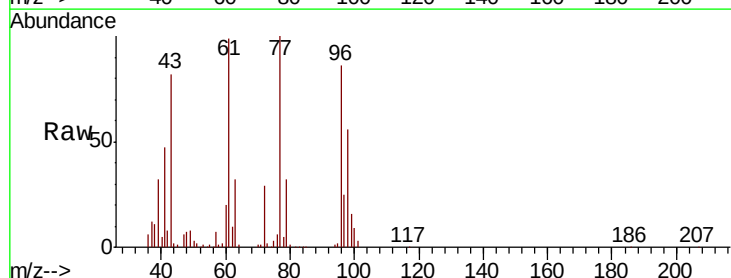
Manual Integrations
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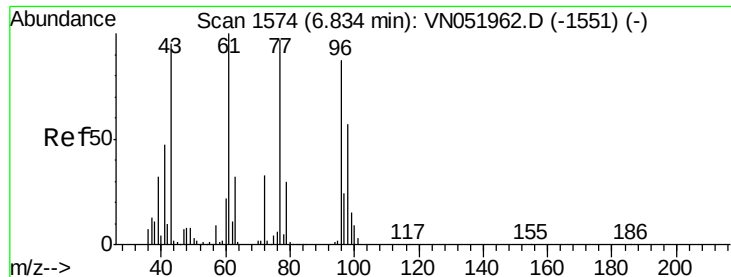
MMDadoda
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#26
2,2-Dichloropropane
Concen: 49.216 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.2	12.6	37.6





#27

cis-1,2-Dichloroethene

Concen: 48.547 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

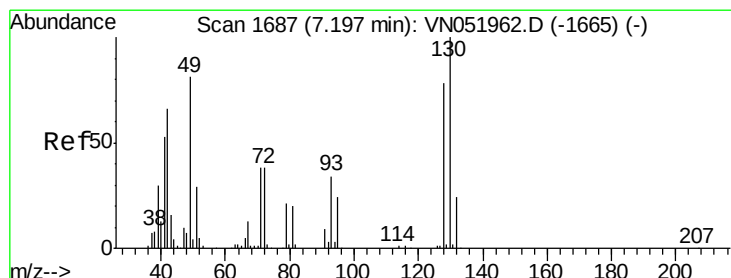
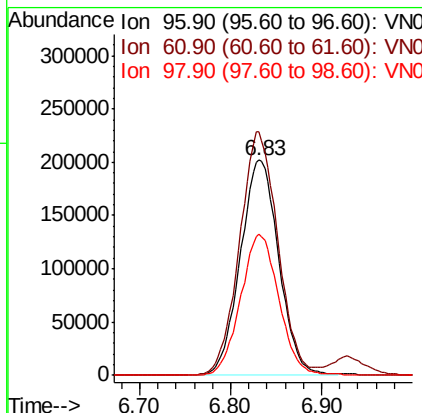
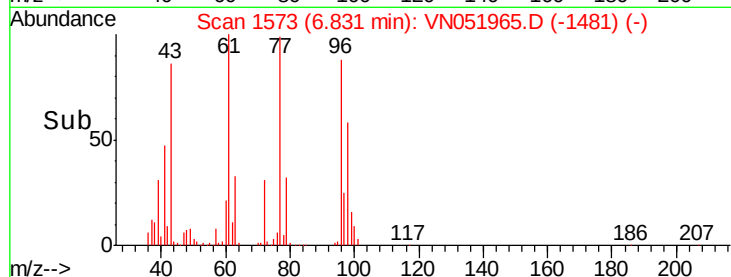
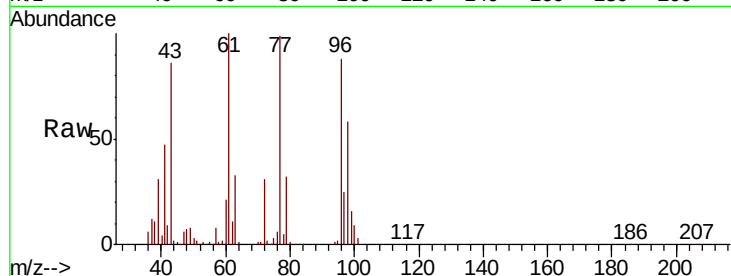
ClientSampleId :

ICVVN102318

Tot Ion:	96	Resp:	593204
Ion	Ratio	Lower	Upper
96	100		
61	113.1	0.0	234.4
98	65.3	0.0	131.6

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#28

Bromochloromethane

Concen: 45.439 ug/l

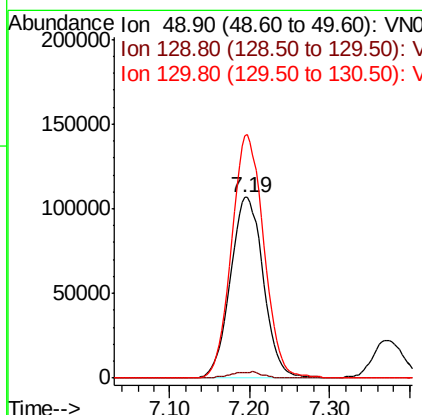
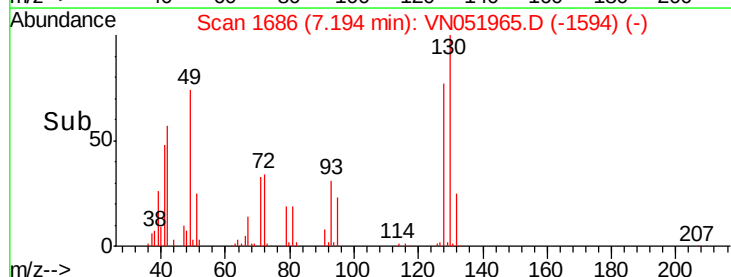
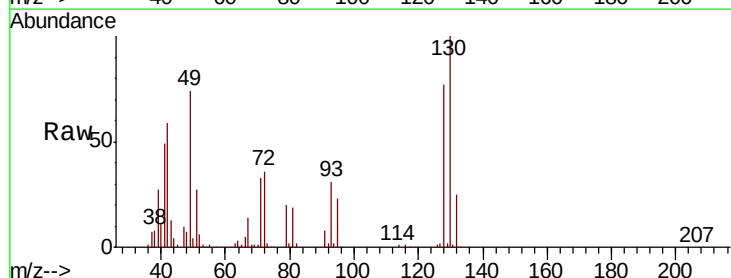
RT: 7.19 min Scan# 1686

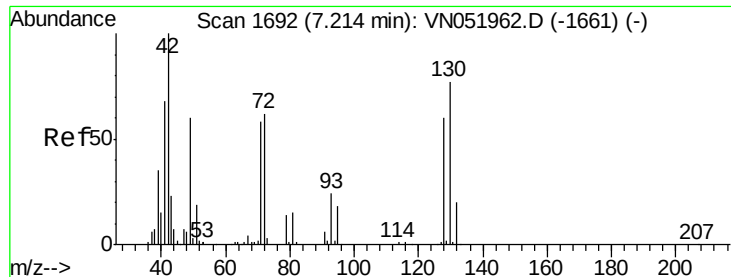
Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion:	49	Resp:	298961
Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	5.4
130	131.5	97.0	145.6





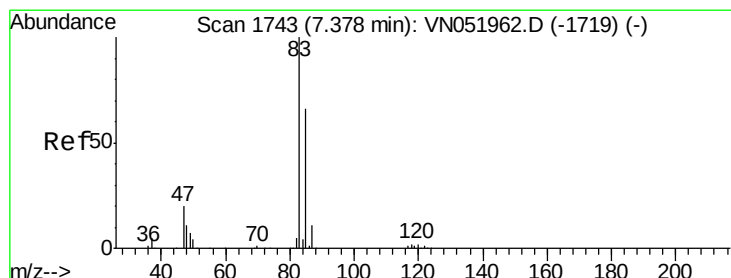
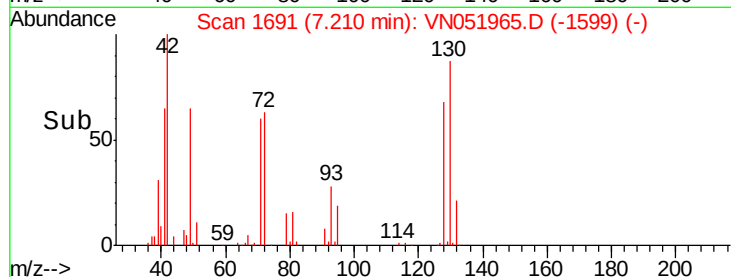
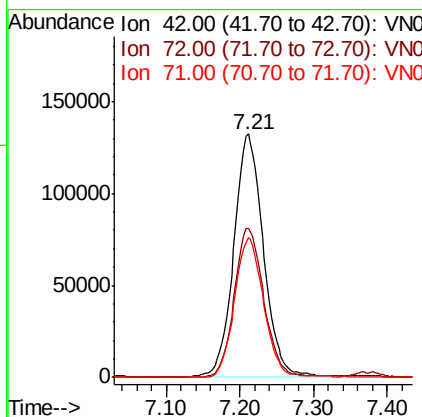
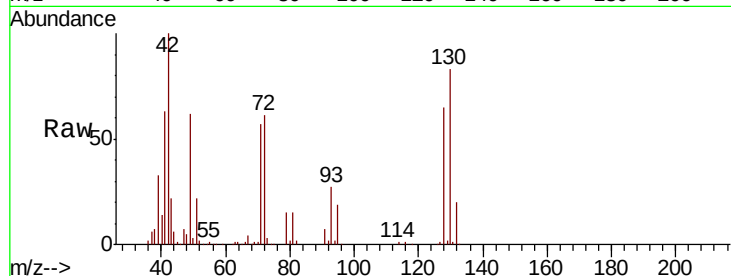
#29
Tetrahydrofuran
Concen: 205.698 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Lower	Upper
42	100		
72	61.7	47.5	71.3
71	56.5	45.4	68.2

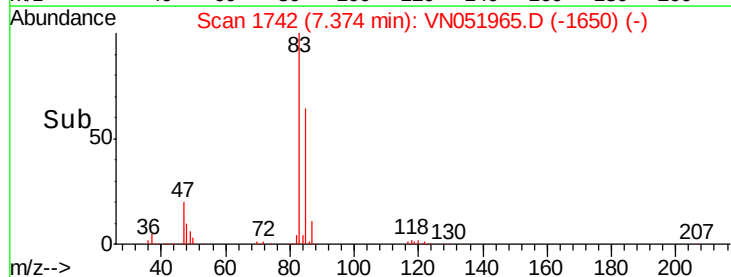
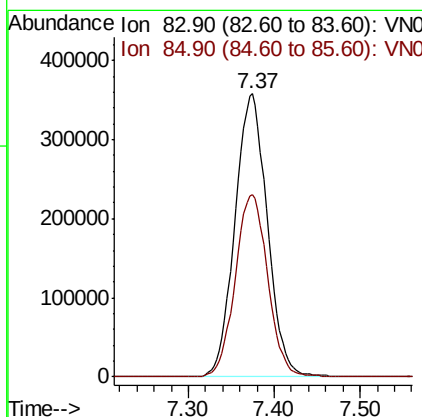
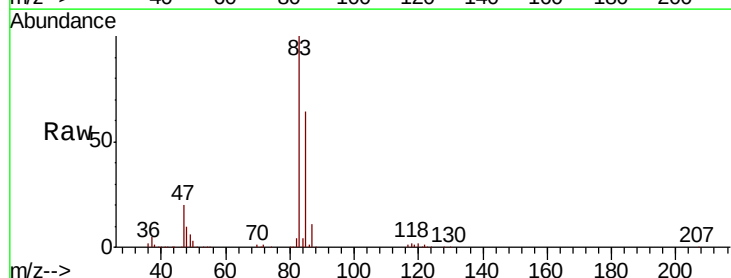
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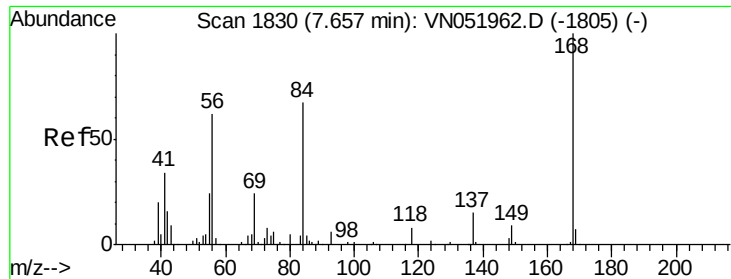
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#30
Chloroform
Concen: 47.030 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.8	79.2





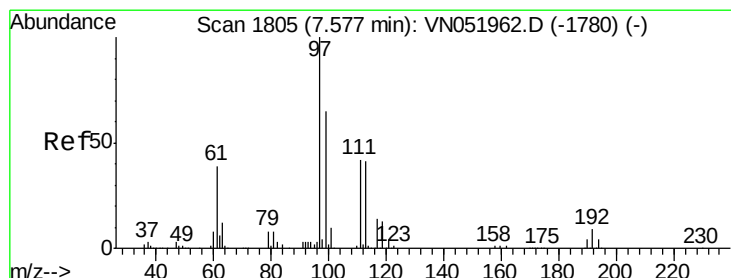
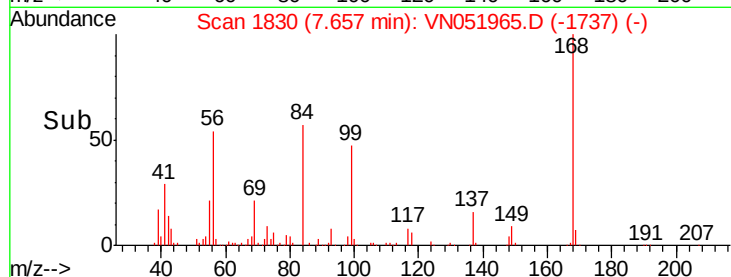
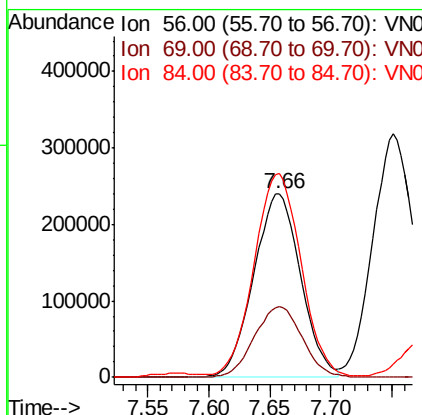
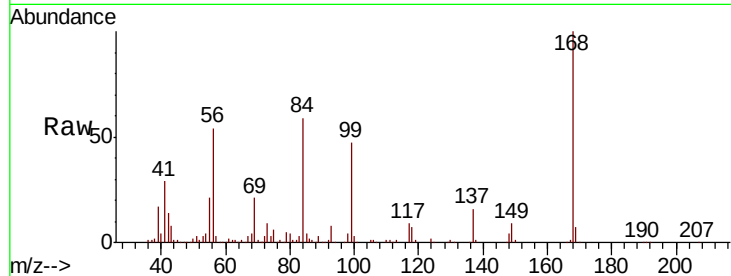
#31
Cyclohexane
Concen: 48.986 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	31.2	46.8
84	109.0	86.3	129.5

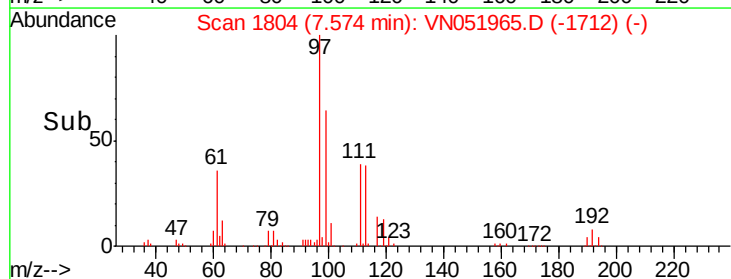
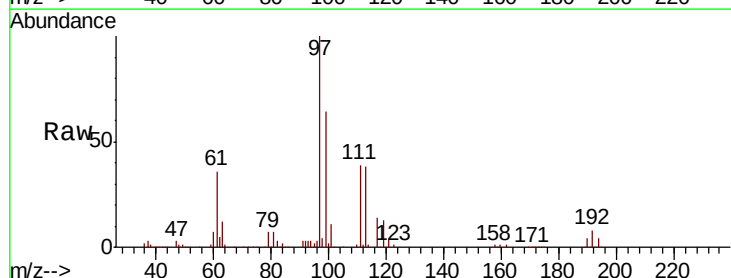
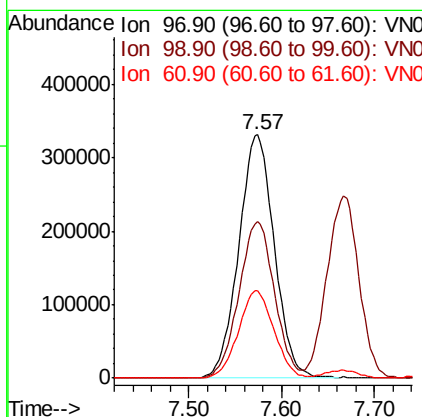
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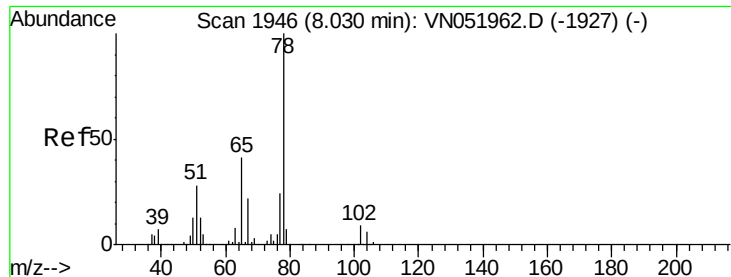
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.382 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	35.8	30.1	45.1





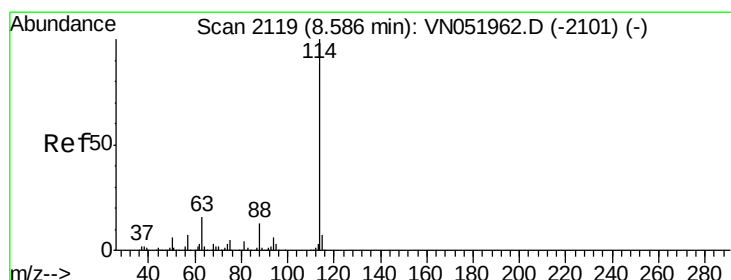
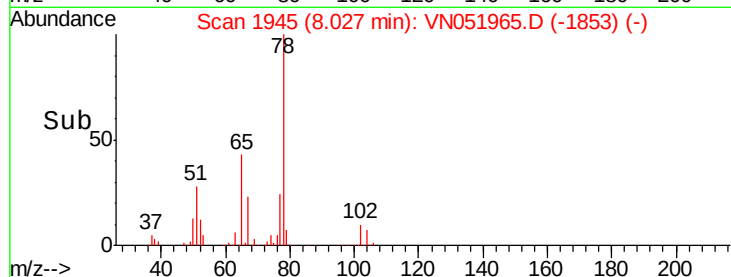
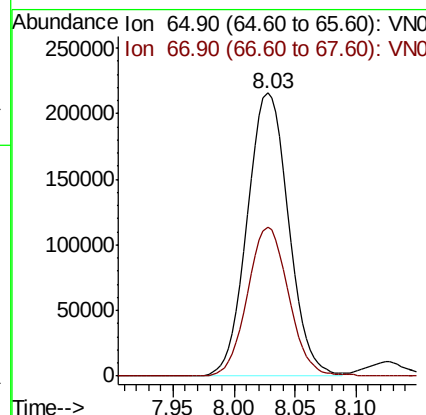
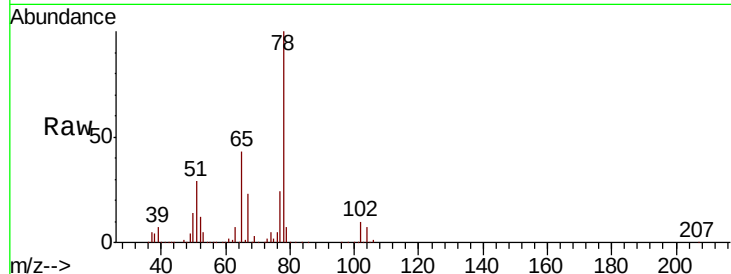
#33
 1,2-Dichloroethane-d4
 Concen: 48.382 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	105.8	

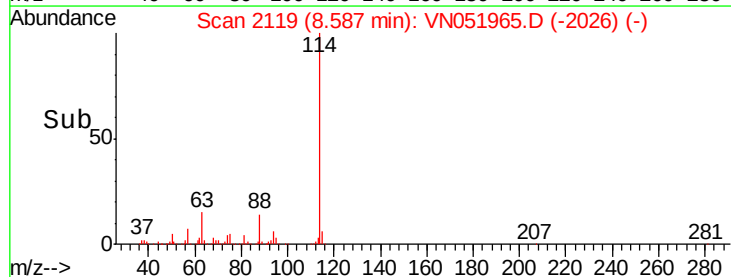
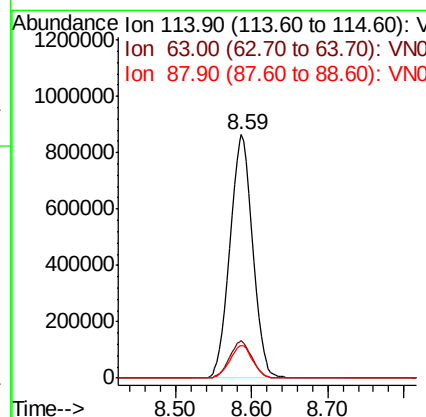
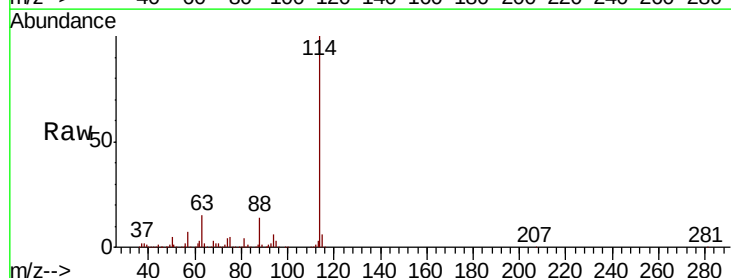
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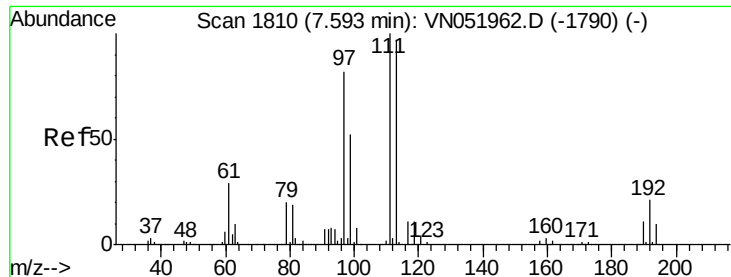
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 10/24/2018 10:09:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	15.2	0.0	31.2	
88	13.6	0.0	27.0	





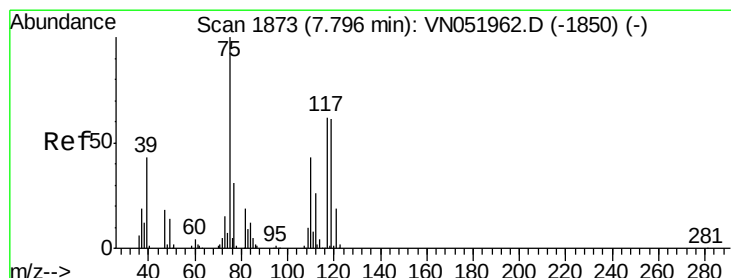
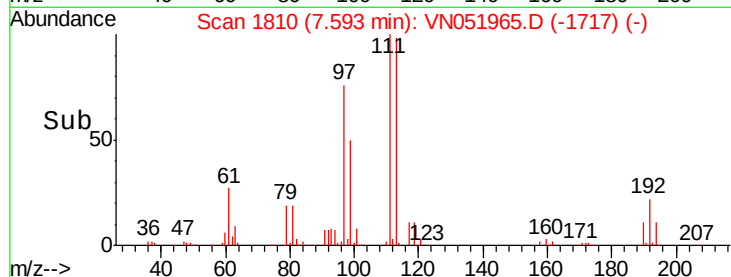
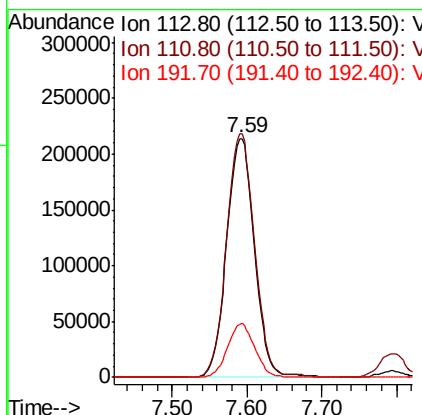
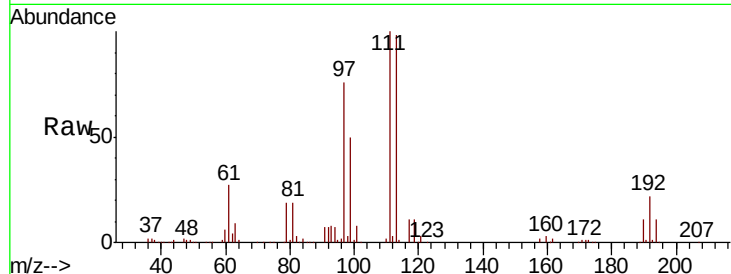
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Tot Ion	Ratio	Resp	Lower	Upper
113	100	551810		
111	103.0	80.7	121.1	
192	22.0	17.2	25.8	

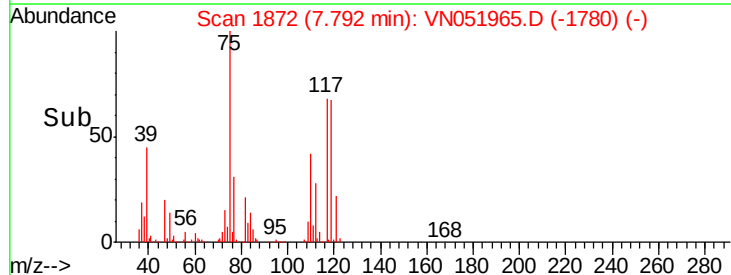
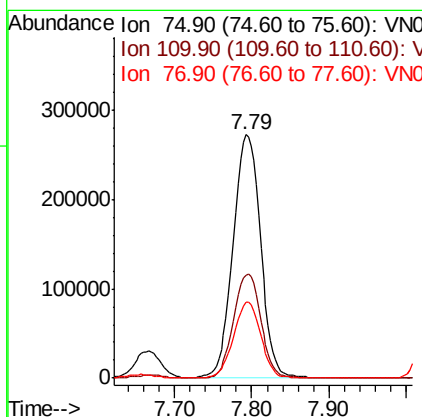
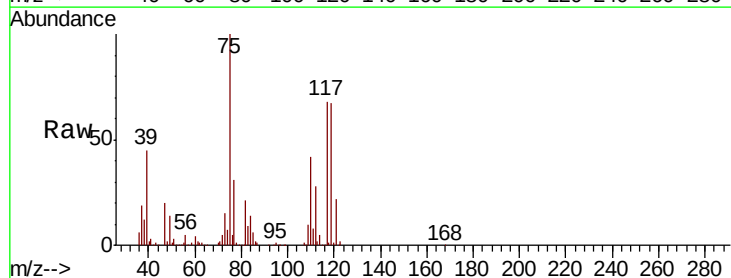
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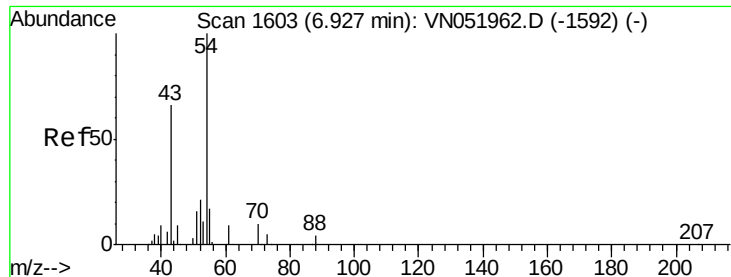
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#36
 1,1-Dichloropropene
 Concen: 48.556 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	670462		
110	42.7	20.9	62.8	
77	31.3	24.9	37.3	





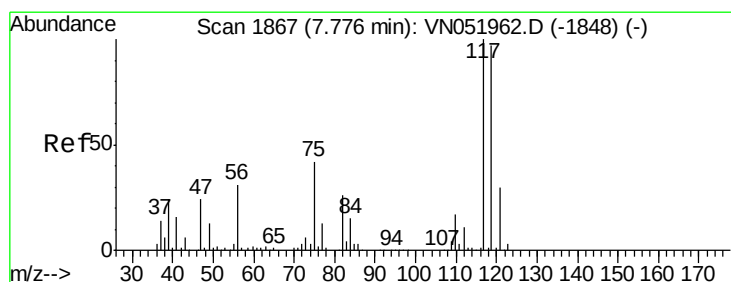
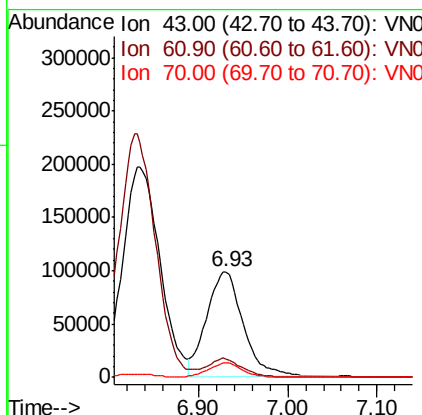
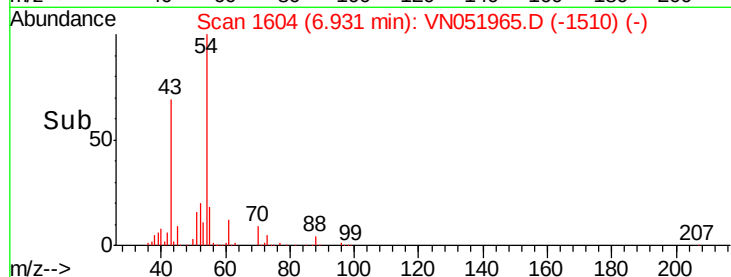
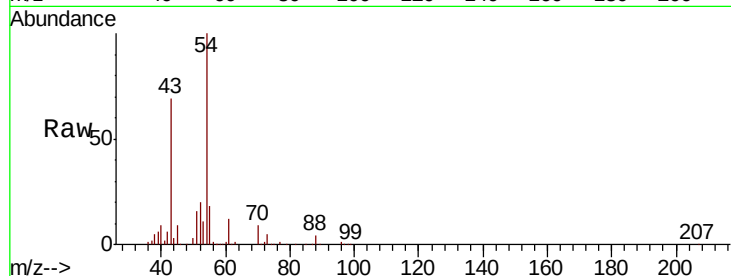
#37
Ethyl Acetate
Concen: 45.121 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	13.5	20.3
70	12.3	9.8	14.6

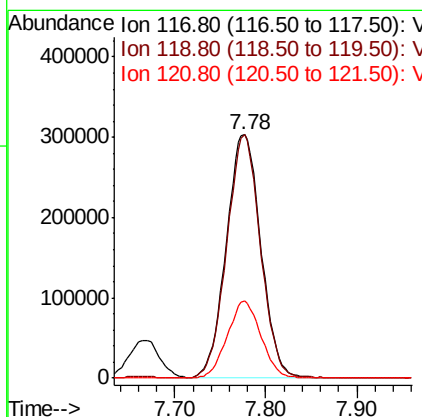
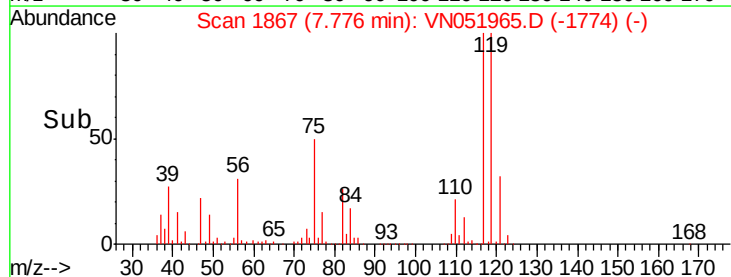
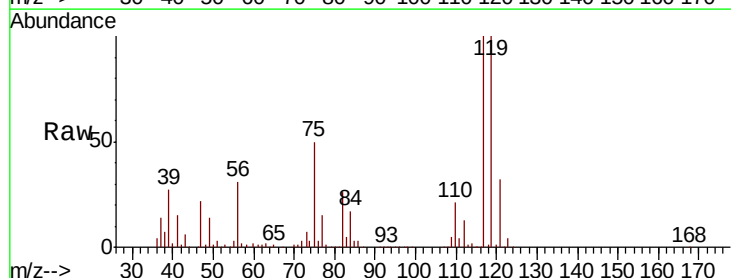
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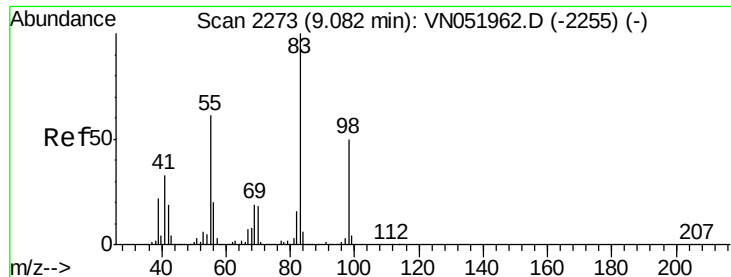
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#38
Carbon Tetrachloride
Concen: 50.272 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	77.4	116.0
121	31.8	24.2	36.4





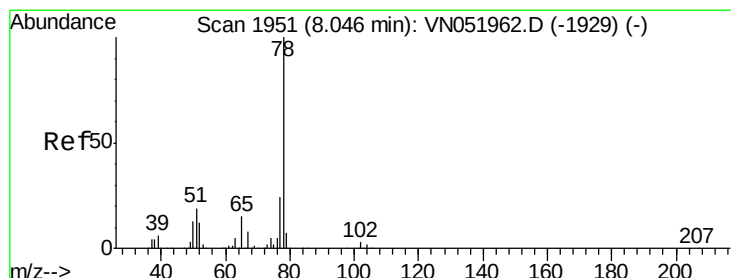
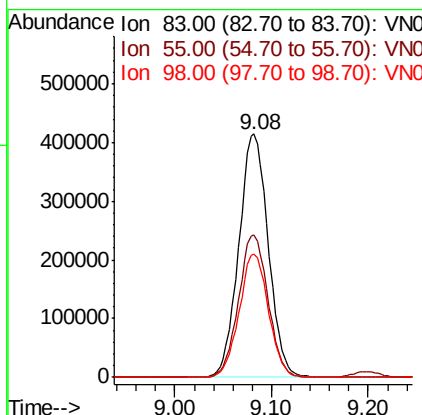
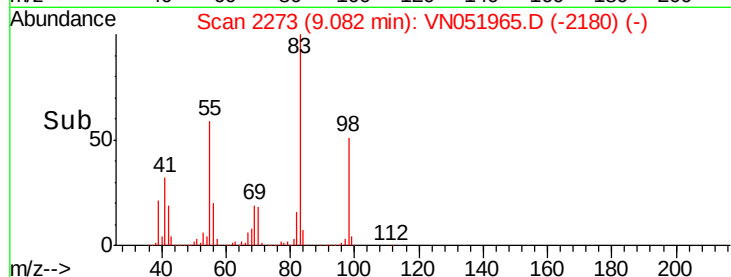
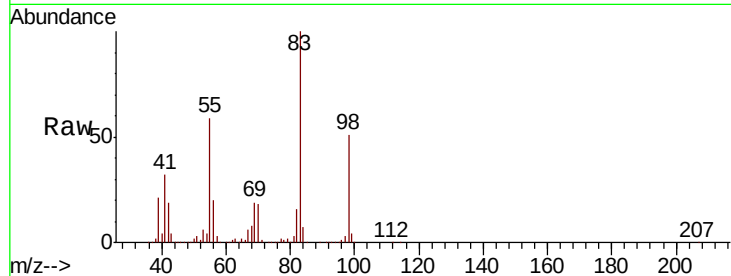
#39
Methylvlcyclohexane
Concen: 51.965 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Lower	Upper
83	100		
55	58.6	48.9	73.3
98	50.8	40.2	60.2

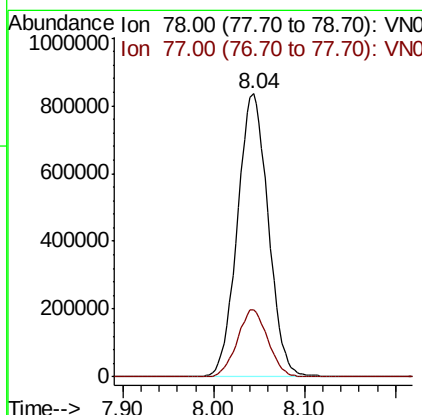
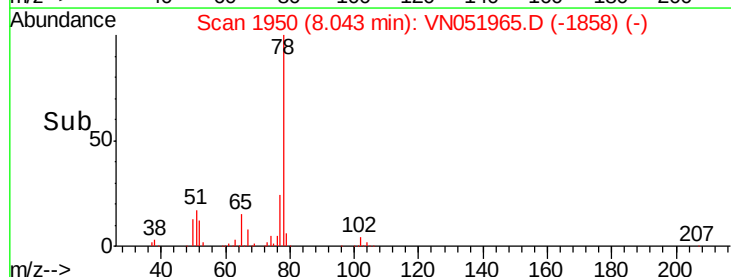
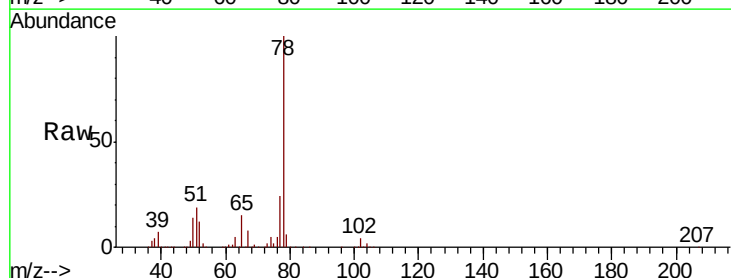
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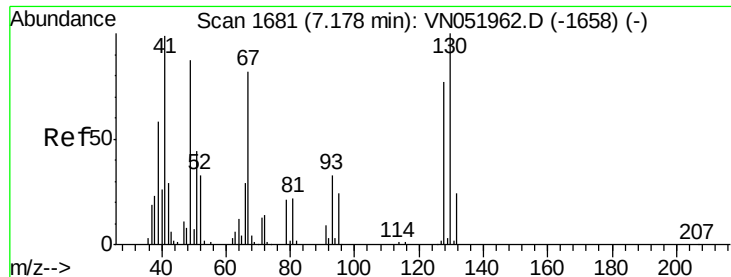
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#40
Benzene
Concen: 48.000 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





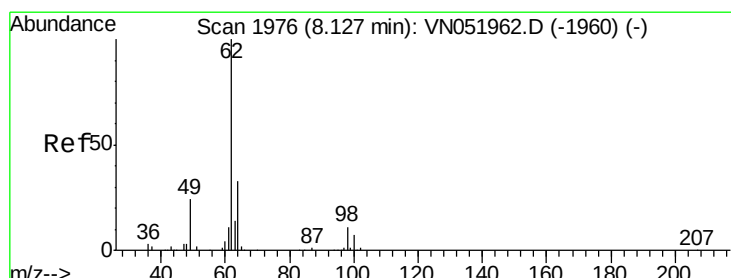
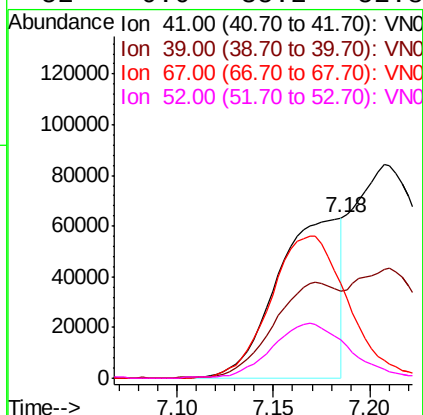
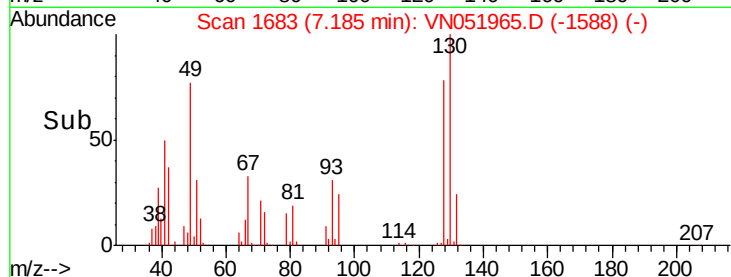
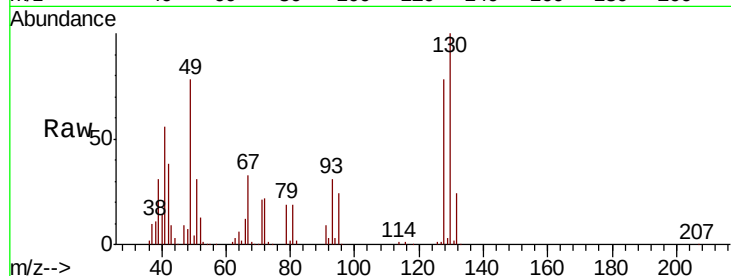
#41
Methacrylonitrile
Concen: 47.087 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.1	79.7#
67	0.0	93.8	140.6#
52	0.0	35.2	52.8#

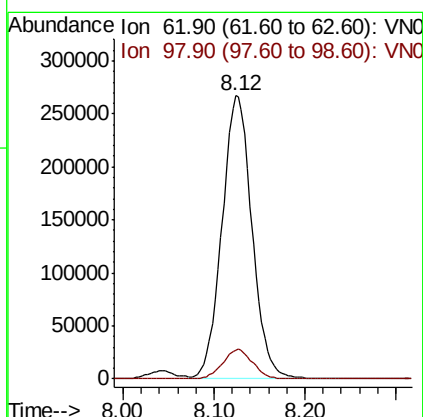
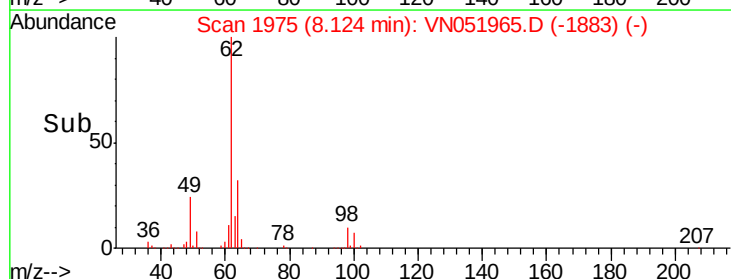
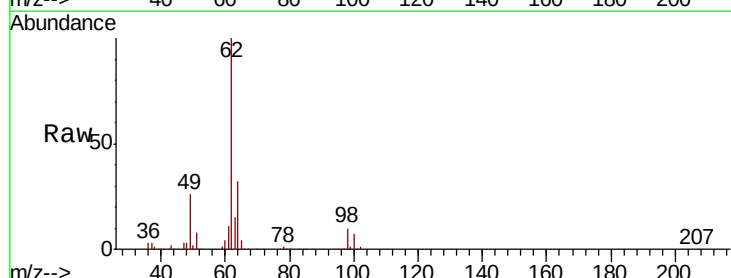
Manual Integrations
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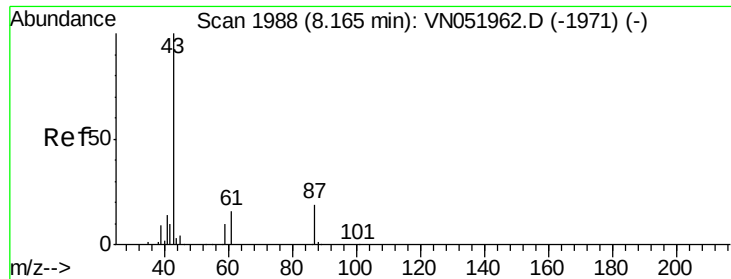
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#42
1,2-Dichloroethane
Concen: 46.439 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 45.709 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

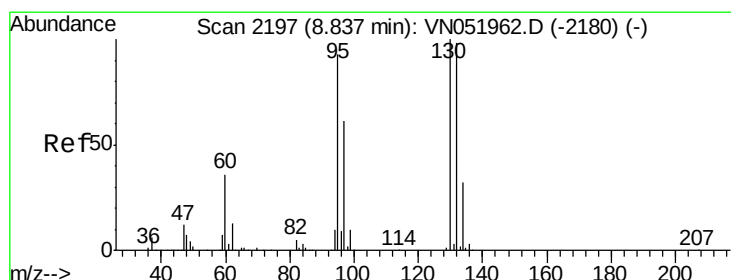
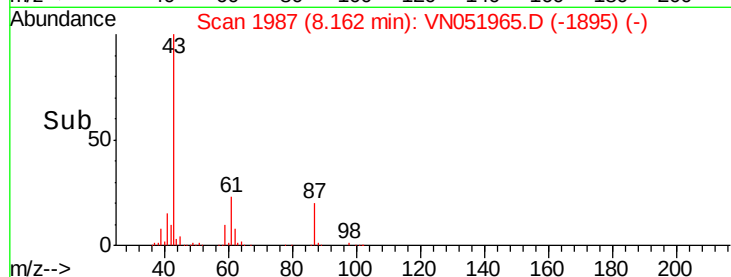
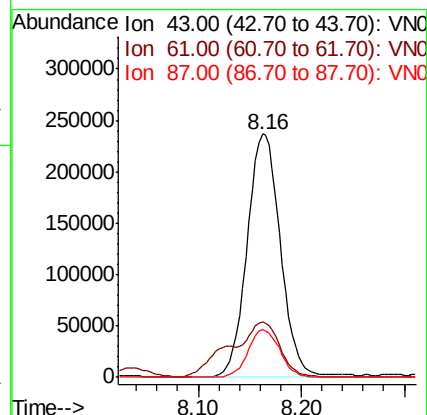
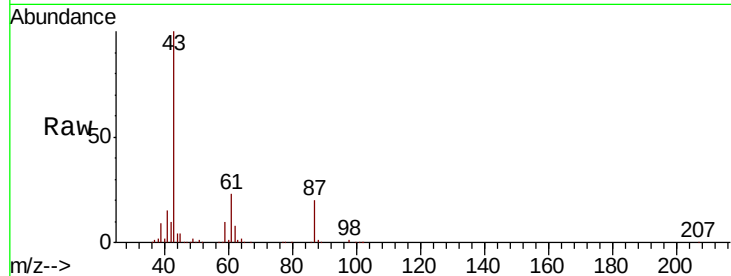
ClientSampleId :

ICVVN102318

Tot Ion:	43	Resp:	528574
Ion	Ratio	Lower	Upper
43	100		
61	21.1	17.2	25.8
87	18.9	15.2	22.8

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#44

Trichloroethene

Concen: 50.344 ug/l

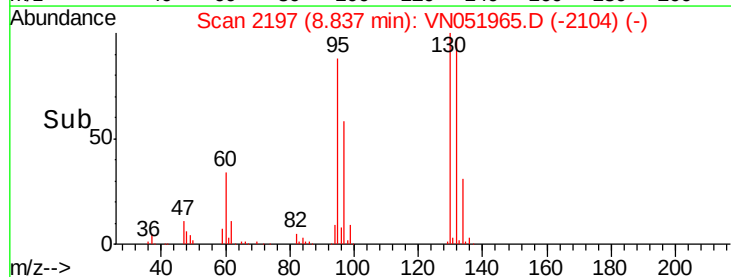
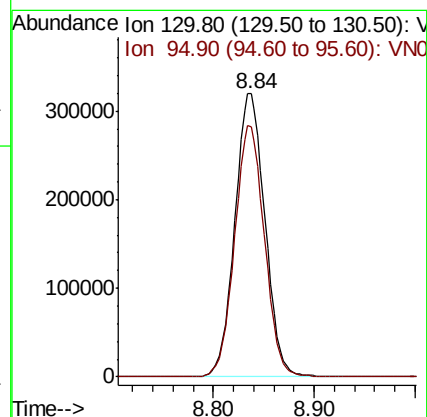
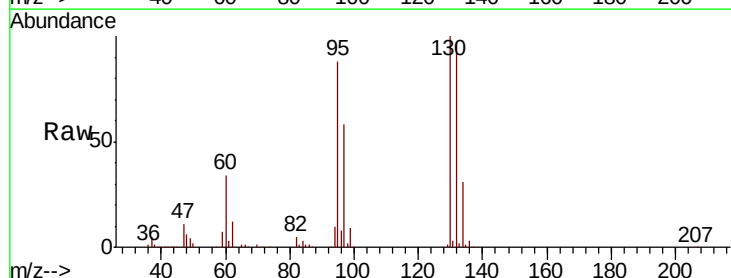
RT: 8.84 min Scan# 2197

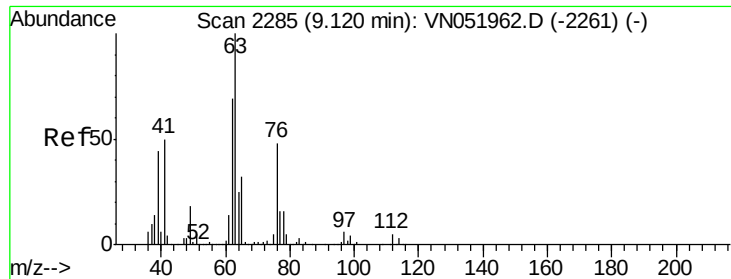
Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion:	130	Resp:	662505
Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	185.2





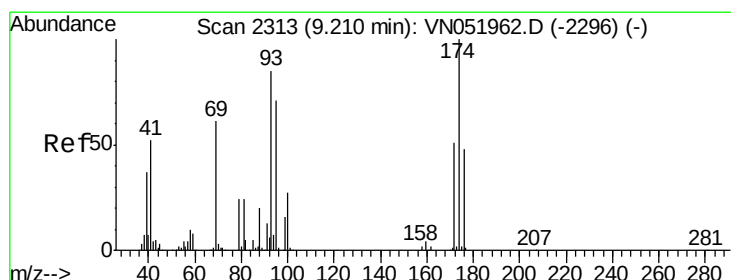
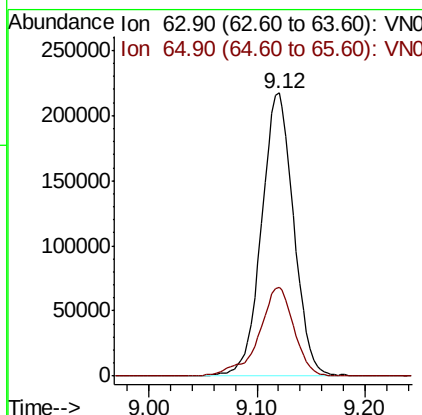
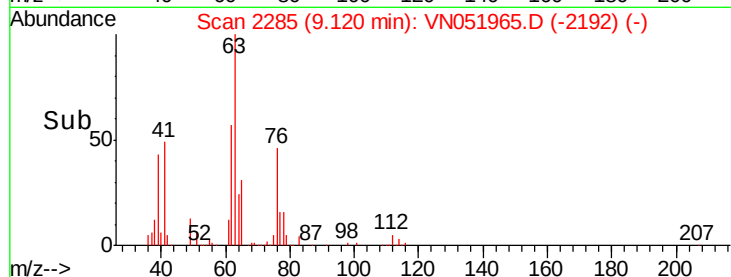
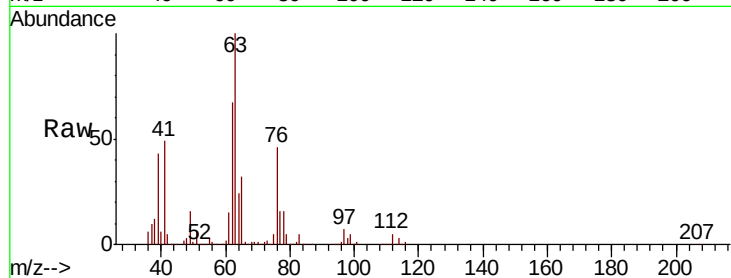
#45
 1,2-Dichloropropane
 Concen: 48.319 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.8	38.6

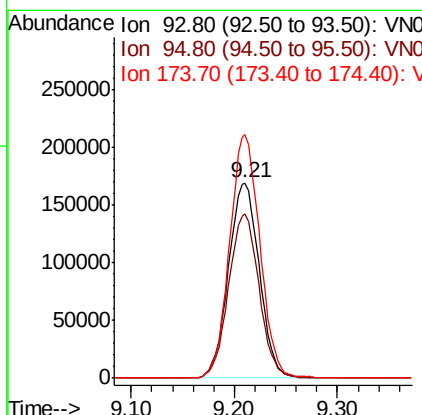
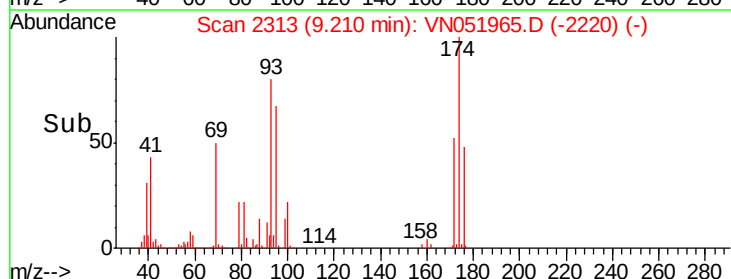
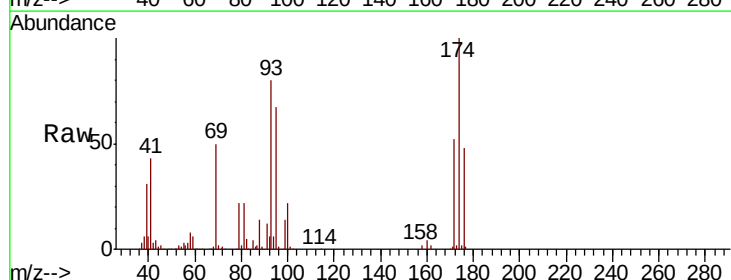
Manual Integrations
 APPROVED

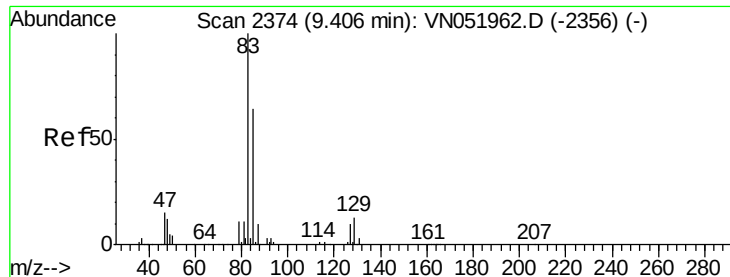
MMDadoda
 10/24/2018 10:09:36 AM



#46
 Dibromomethane
 Concen: 47.162 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	66.7	100.1
174	122.5	93.8	140.6





#47

Bromodichloromethane

Concen: 49.491 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

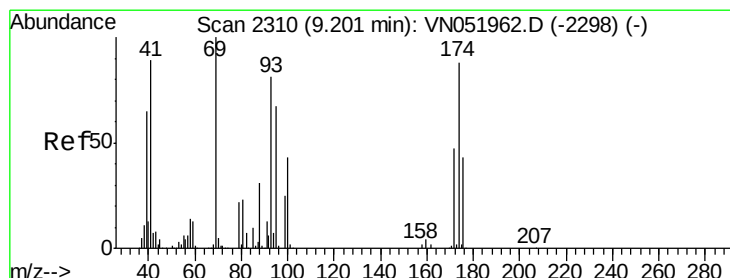
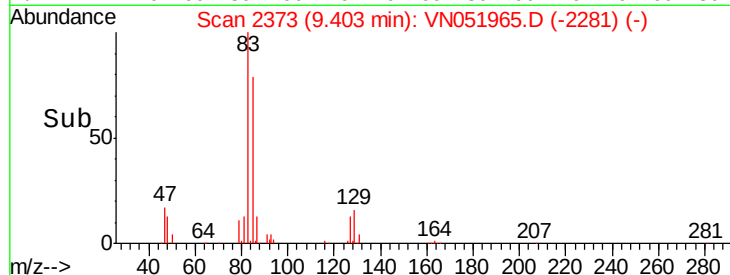
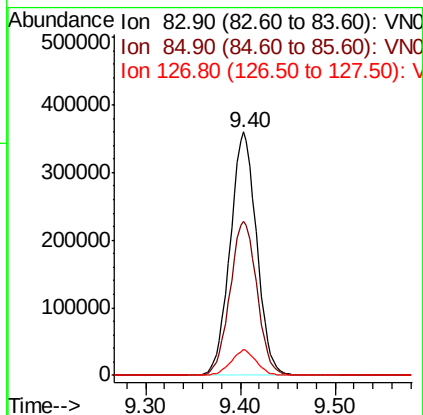
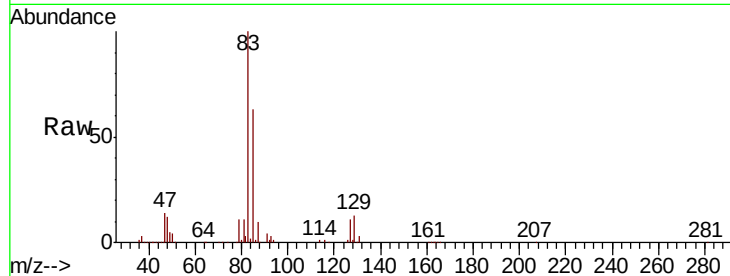
ClientSampleId :

ICVVN102318

Tot Ion:	83	Resp:	698777
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.0	76.4
127	10.5	7.8	11.8

Manual Integrations
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MMDadoda
10/24/2018 10:09:36 AM



#48

Methyl methacrylate

Concen: 45.961 ug/l

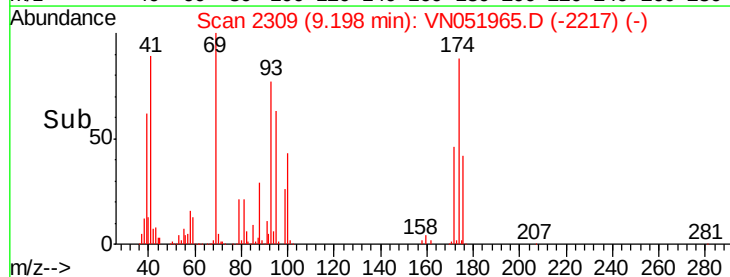
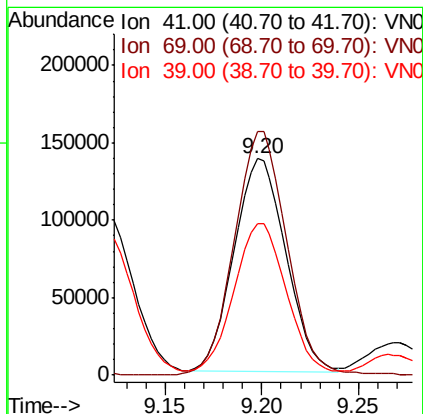
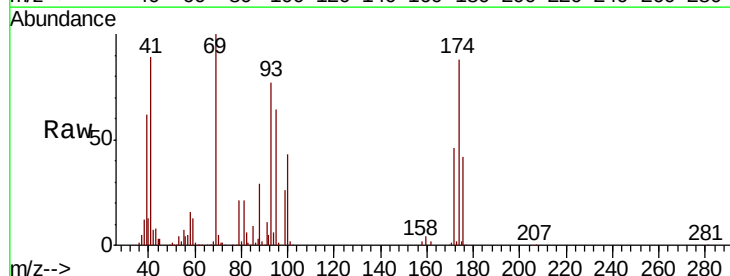
RT: 9.20 min Scan# 2309

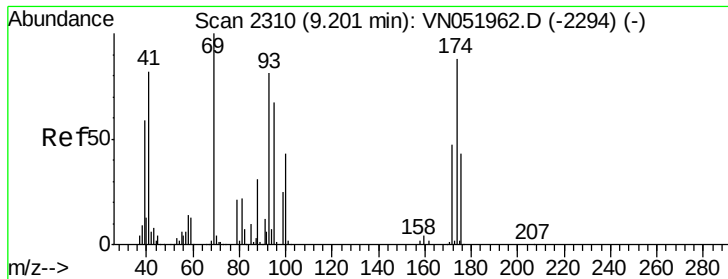
Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion:	41	Resp:	256895
Ion Ratio	Lower	Upper	
41	100		
69	115.7	92.2	138.4
39	72.2	60.2	90.4





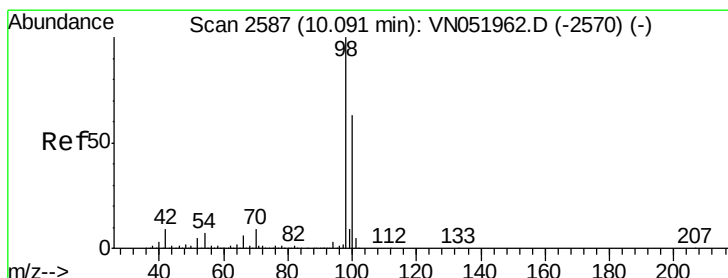
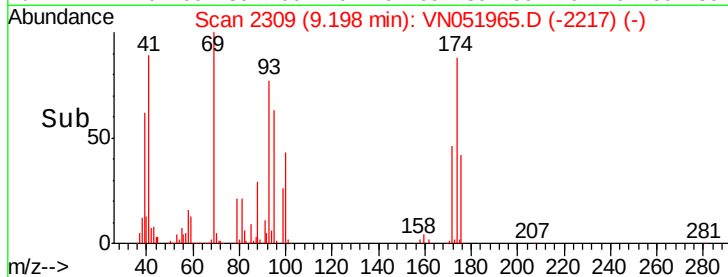
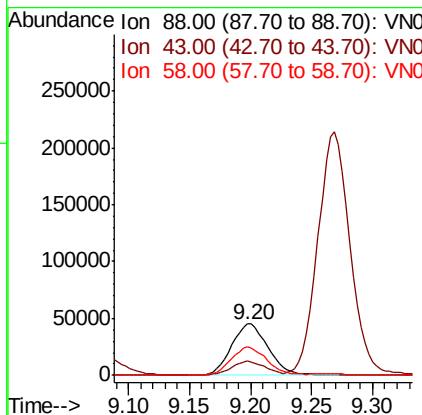
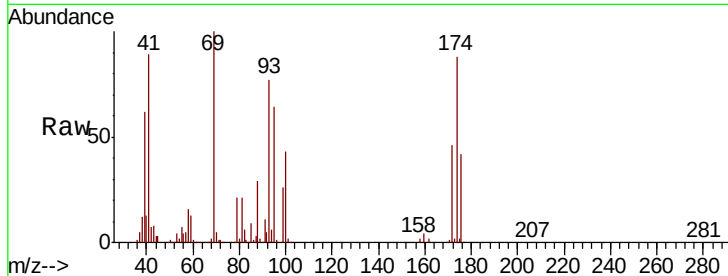
#49
1,4-Dioxane
Concen: 918.767 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.1	18.8	28.2
58	54.0	39.8	59.6

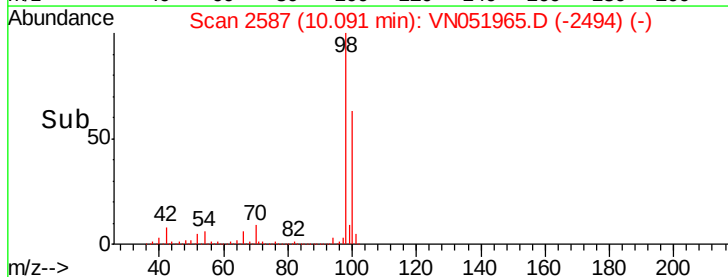
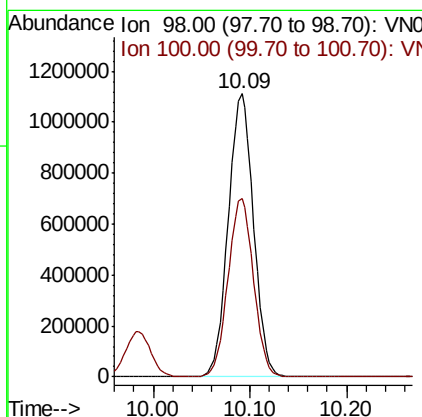
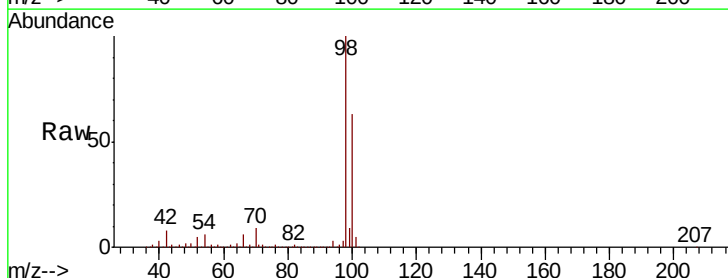
Manual Integrations
APPROVED

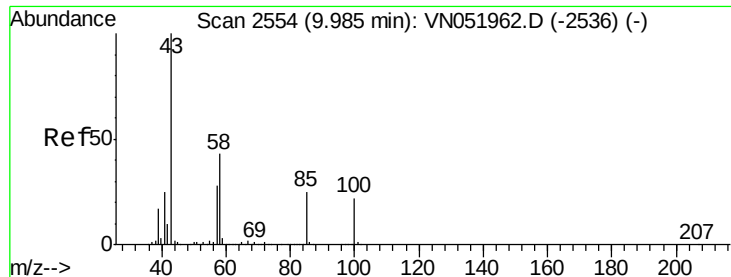
MMDadoda
10/24/2018 10:09:36 AM



#50
Toluene-d8
Concen: 918.767 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 221.588 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102318

Tot Ion: 43 Resp: 1409499

Ion Ratio Lower Upper

43 100

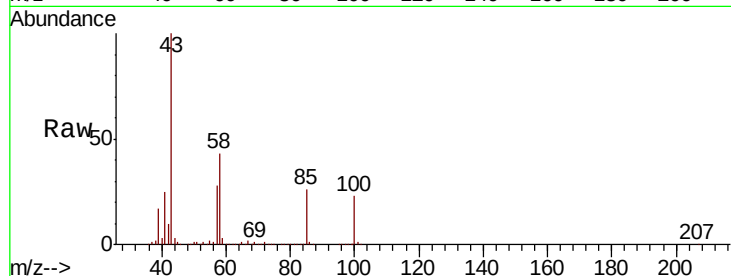
58 43.3 34.8 52.2

Manual Integrations

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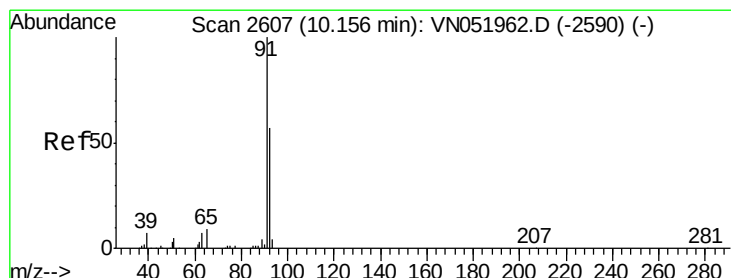
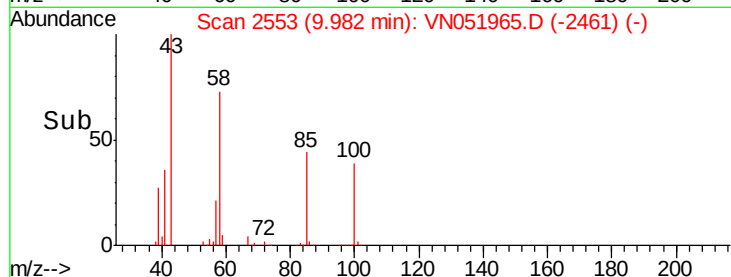
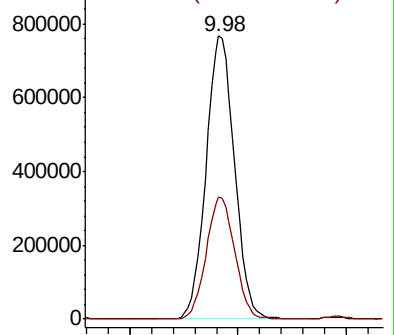
MMDadoda

10/24/2018 10:09:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.762 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051965.D

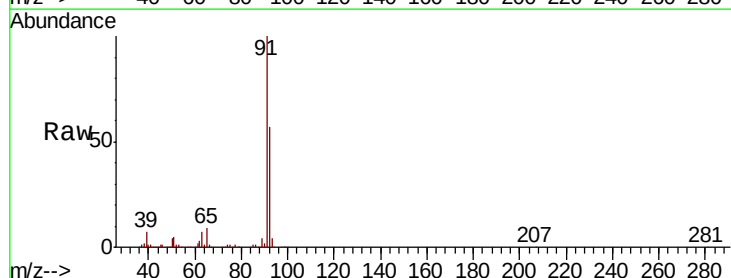
Acq: 23 Oct 2018 15:33

Tgt Ion: 92 Resp: 1383436

Ion Ratio Lower Upper

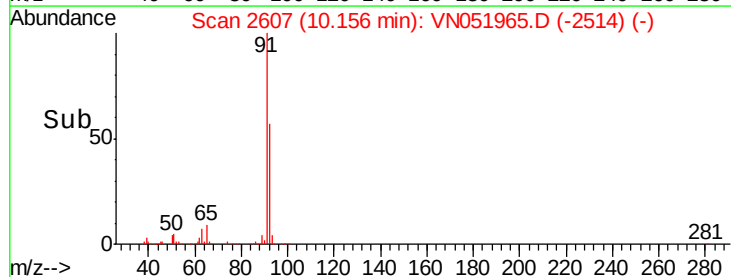
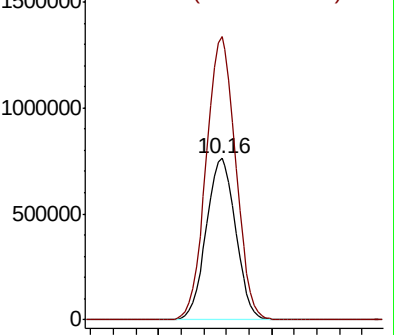
92 100

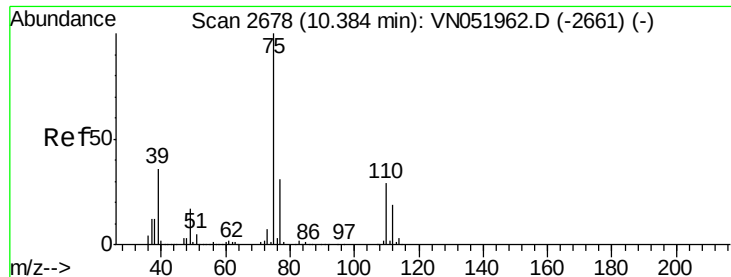
91 175.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





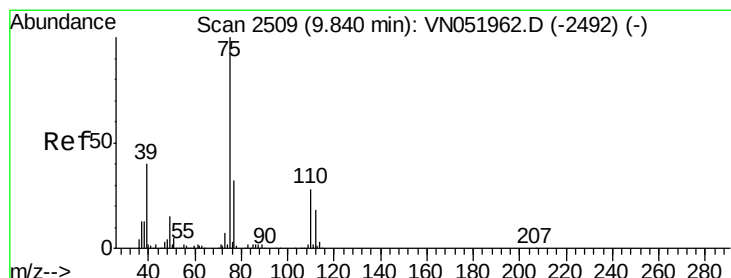
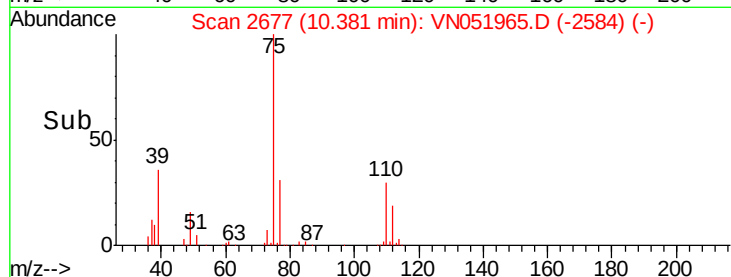
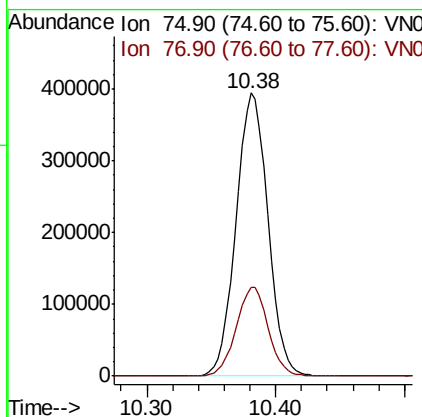
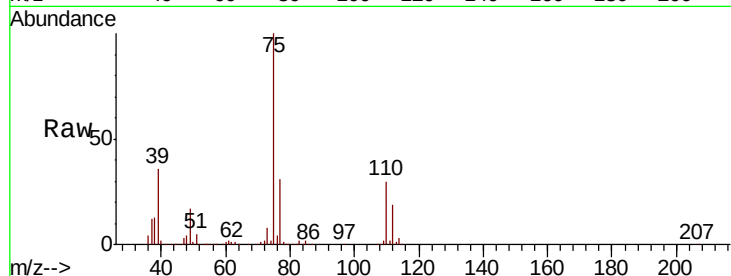
#53
 t-1,3-Dichloropropene
 Concen: 47.169 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Tot Ion: 75 Resp: 679109
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.4

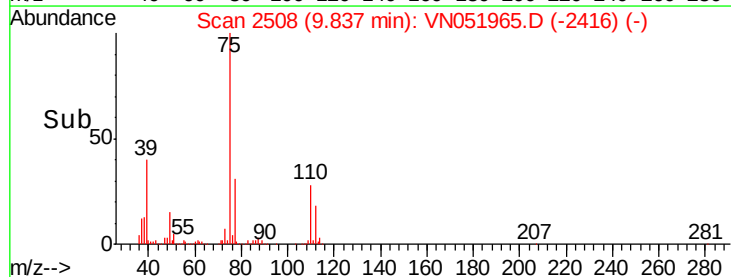
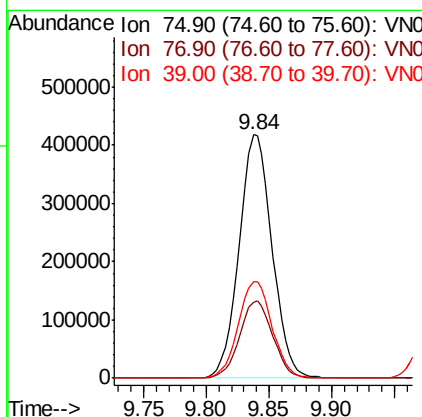
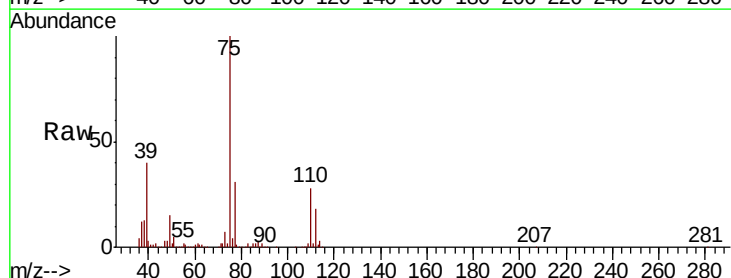
Manual Integrations
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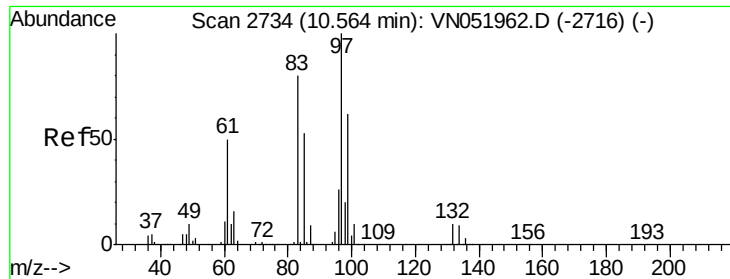
MMDadoda
 10/24/2018 10:09:36 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.630 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion: 75 Resp: 761936
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.2 37.8
 39 39.5 32.0 48.0





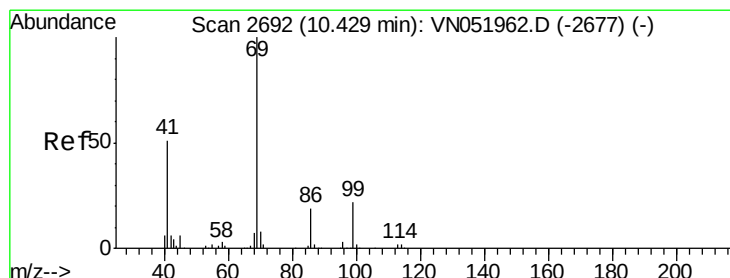
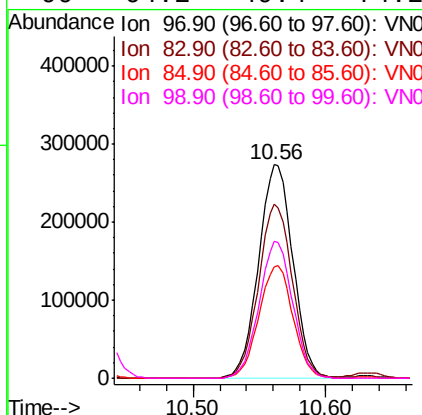
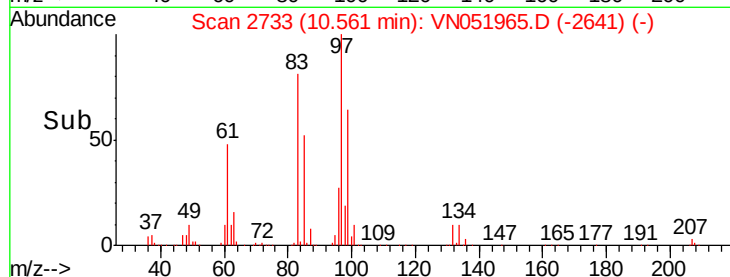
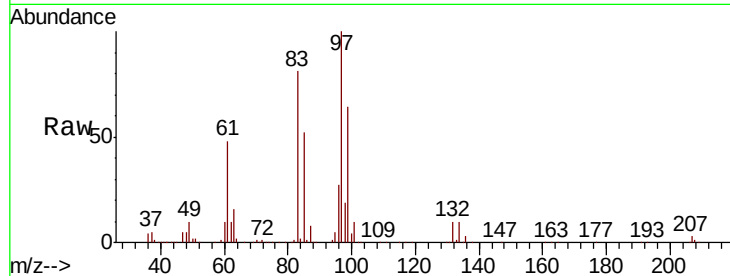
#55
 1,1,2-Trichloroethane
 Concen: 47.915 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Tot Ion:	97	Resp:	492178
Ion	Ratio	Lower	Upper
97	100		
83	81.4	64.0	96.0
85	52.4	42.4	63.6
99	64.2	49.4	74.2

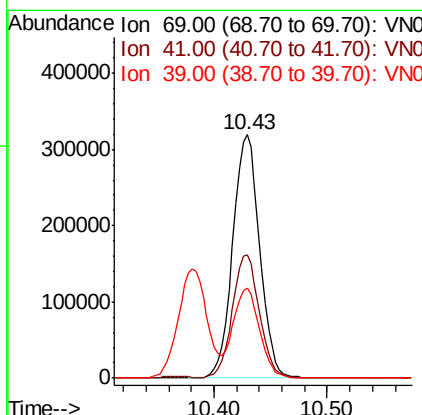
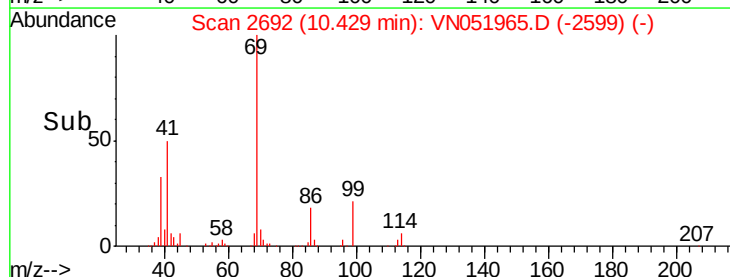
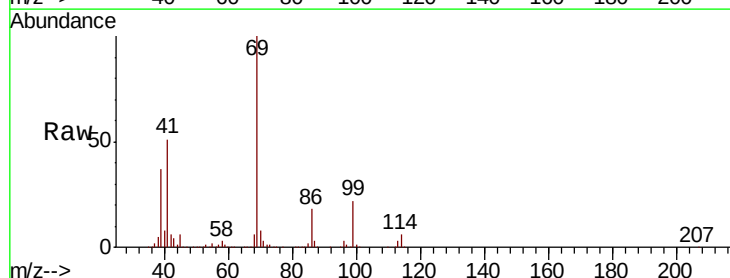
Manual Integrations
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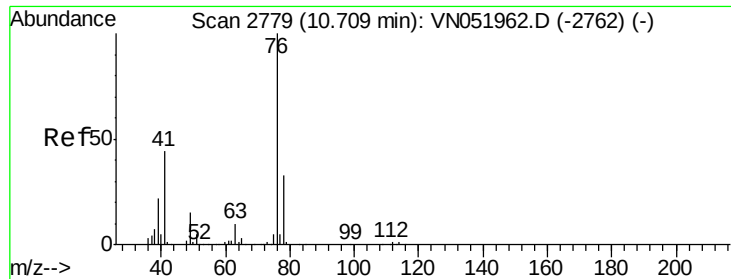
MMDadoda
 10/24/2018 10:09:36 AM



#56
 Ethyl methacrylate
 Concen: 47.928 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion:	69	Resp:	529201
Ion	Ratio	Lower	Upper
69	100		
41	50.3	40.7	61.1
39	36.0	29.3	43.9





#57

1,3-Dichloropropane

Concen: 47.330 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102318

Tot Ion: 76 Resp: 738064

Ion Ratio Lower Upper

76 100

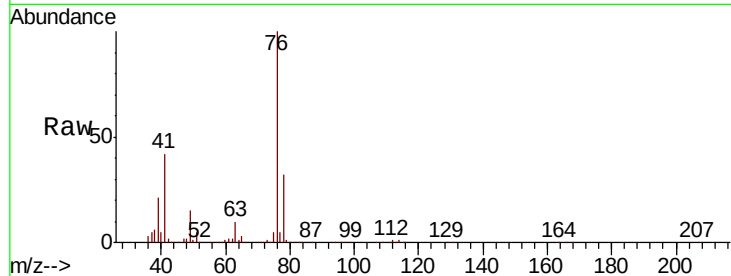
78 32.4 26.4 39.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

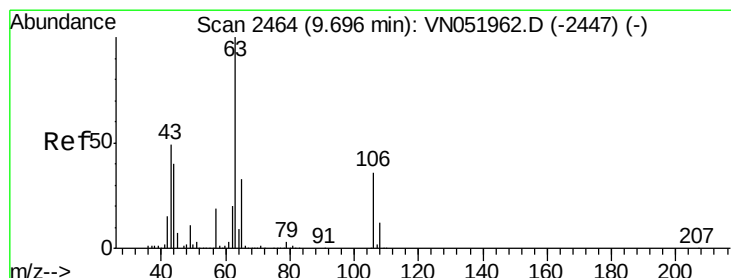
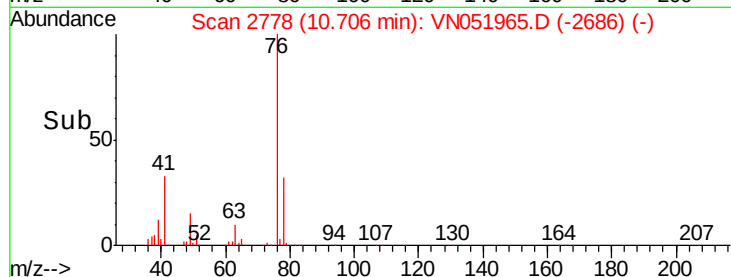
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 237.391 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051965.D

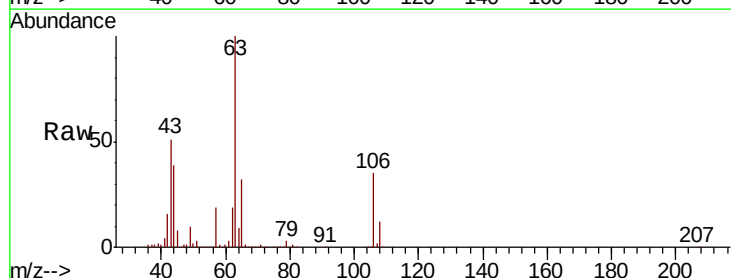
Acq: 23 Oct 2018 15:33

Tgt Ion: 63 Resp: 1371513

Ion Ratio Lower Upper

63 100

106 35.6 28.3 42.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

800000

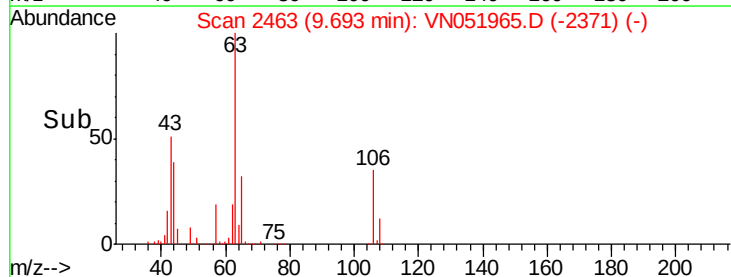
600000

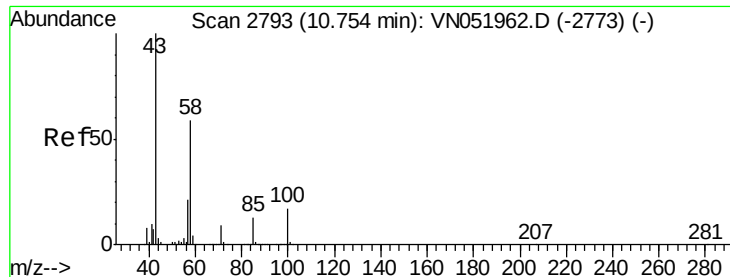
400000

200000

0

Time--> 9.60 9.70 9.80





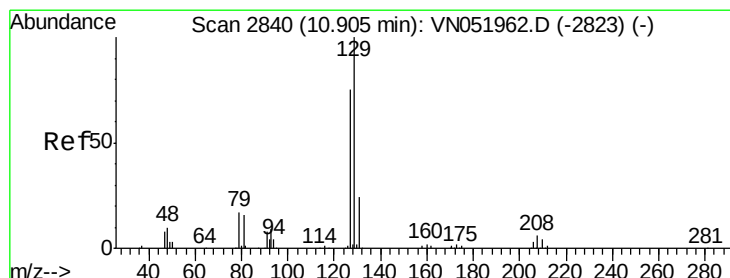
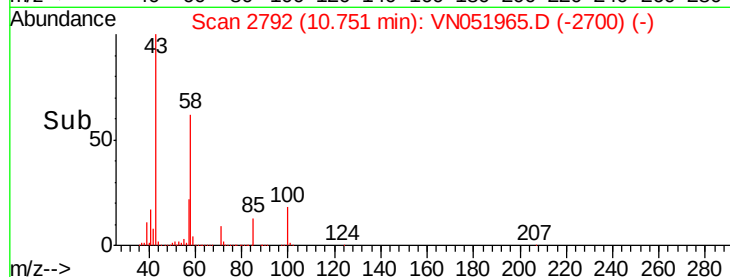
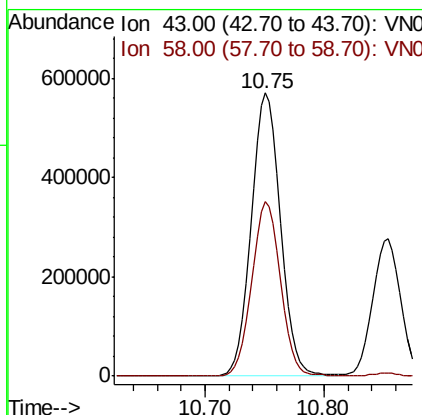
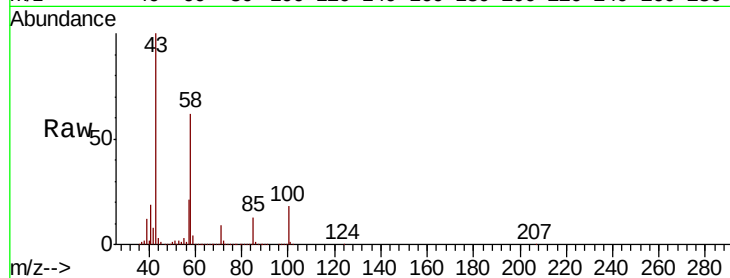
#59
2-Hexanone
Concen: 226.631 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	43	Resp	968591
Ion Ratio	100	Lower	Upper
43	100		
58	60.7	29.9	89.8

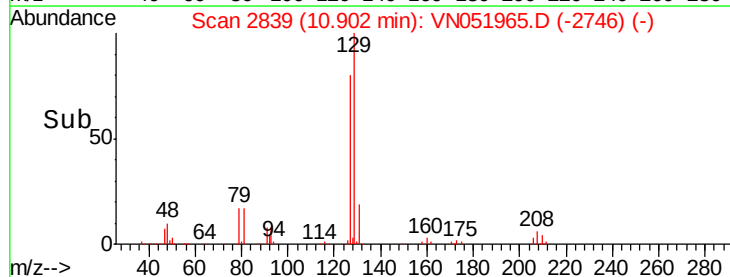
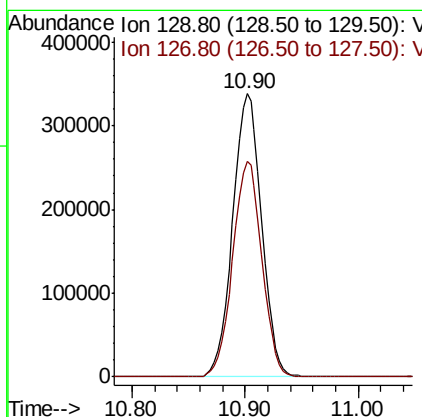
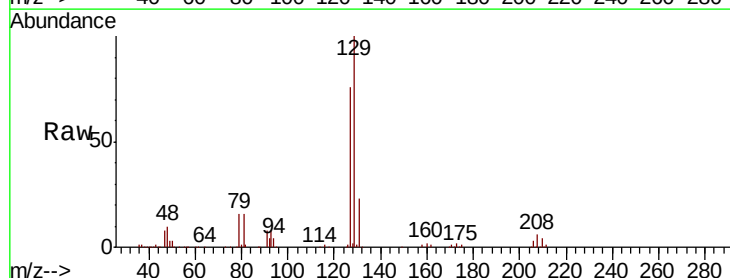
Manual Integrations
APPROVED

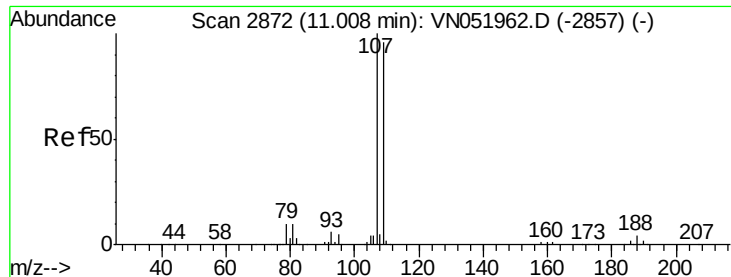
MMDadoda
10/24/2018 10:09:36 AM



#60
Dibromochloromethane
Concen: 46.004 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	129	Resp	600663
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	38.0	114.0





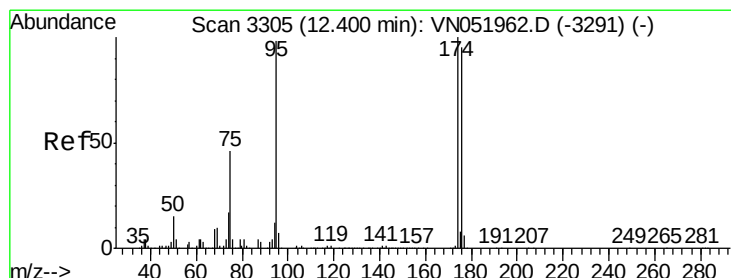
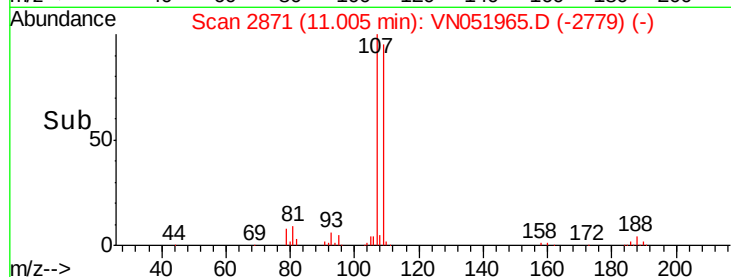
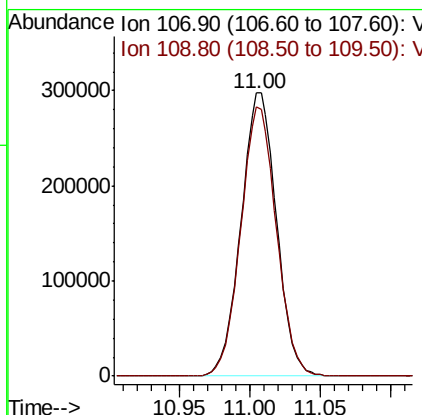
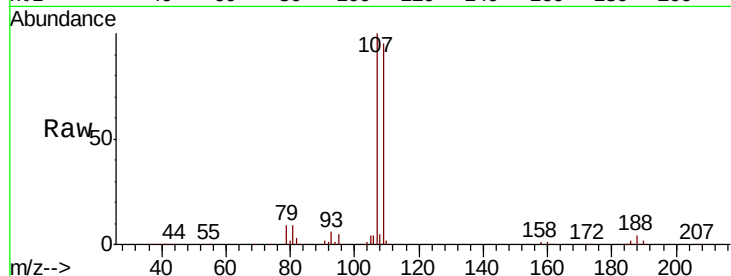
#61
 1,2-Dibromoethane
 Concen: 48.366 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.9	113.9

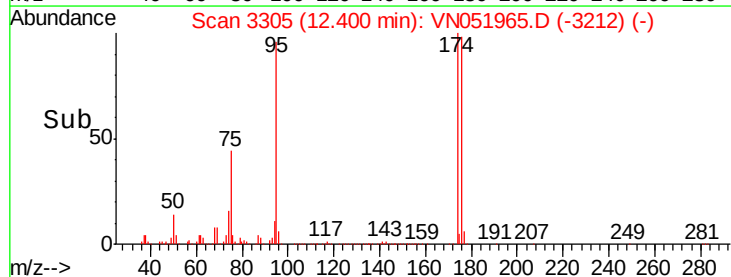
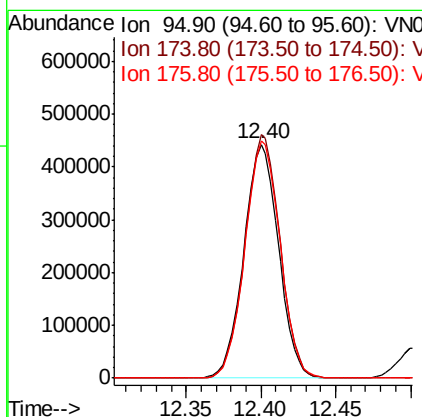
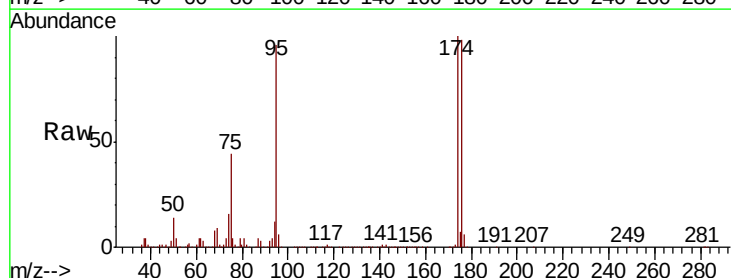
Manual Integrations
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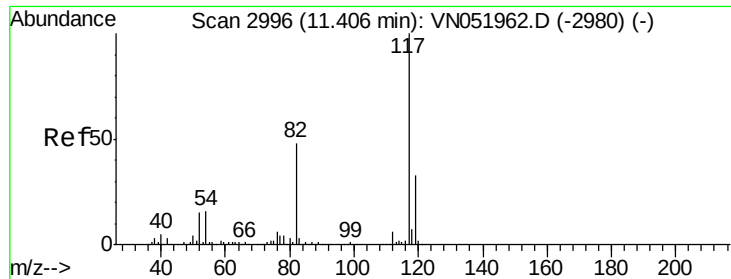
MMDadoda
 10/24/2018 10:09:36 AM



#62
 4-Bromofluorobenzene
 Concen: 48.366 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	104.6	0.0	206.0
176	102.5	0.0	198.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102318

Tot Ion:117 Resp: 1692685

Ion Ratio Lower Upper

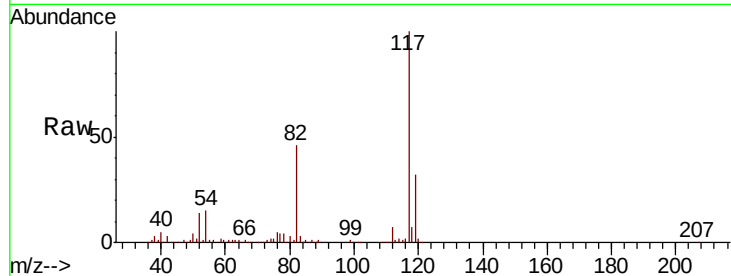
117 100

82 45.8 38.1 57.1

119 32.2 26.4 39.6

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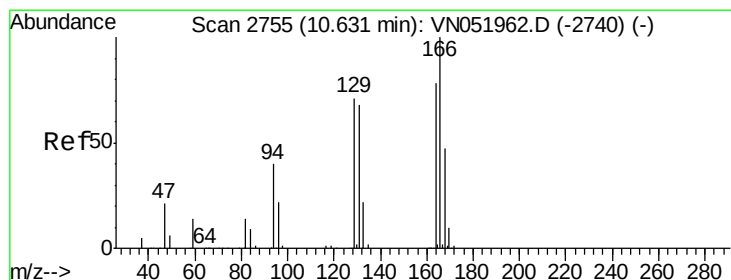
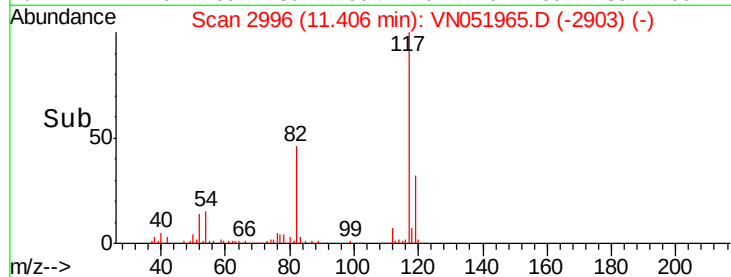
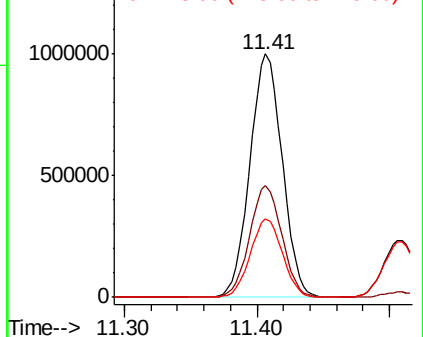


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.109 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion:164 Resp: 651009

Ion Ratio Lower Upper

164 100

166 128.0 103.1 154.7

129 86.4 73.6 110.4

131 82.6 70.3 105.5

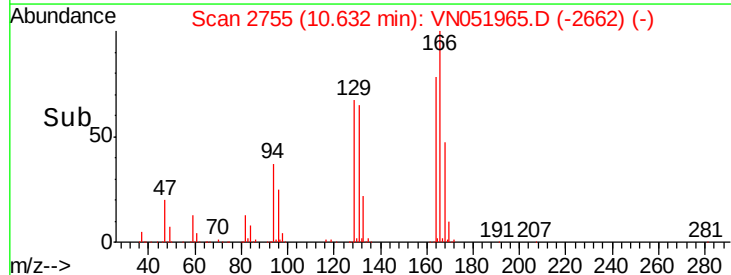
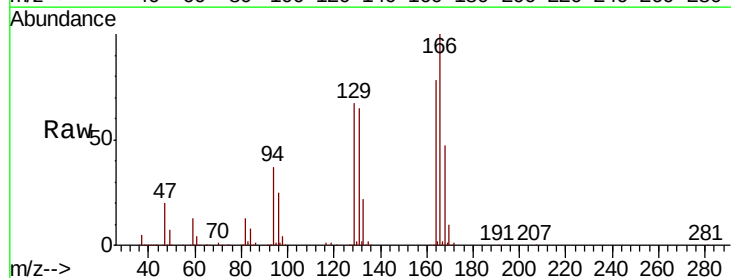
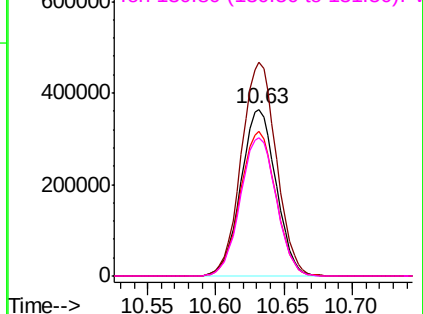
Abundance

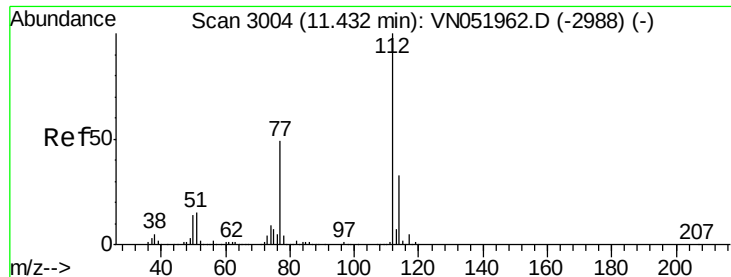
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





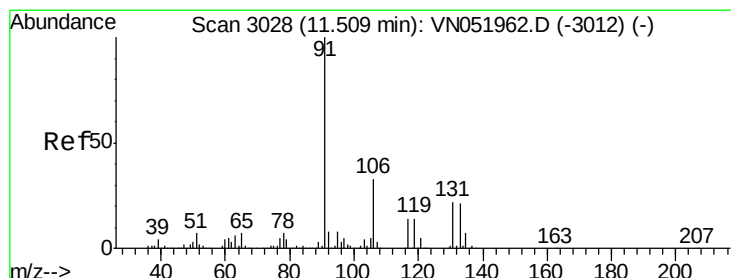
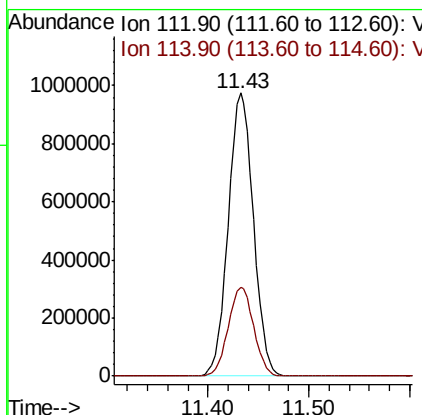
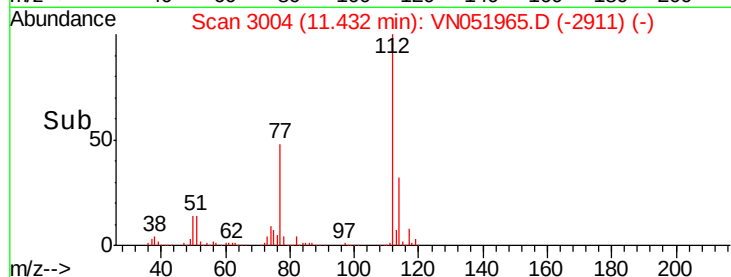
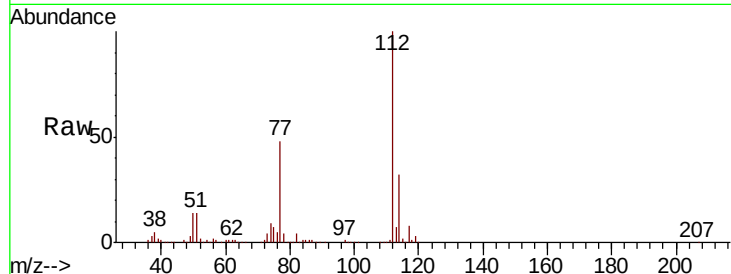
#65
Chlorobenzene
Concen: 49.526 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion:112 Resp: 1692582
Ion Ratio Lower Upper
112 100
114 31.6 26.1 39.1

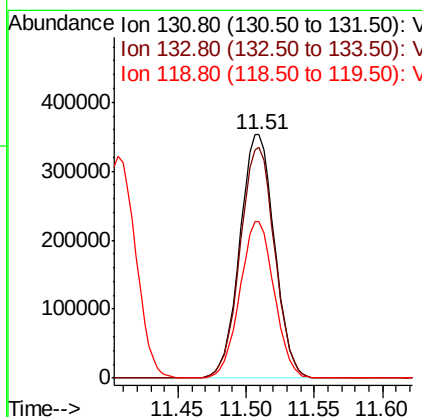
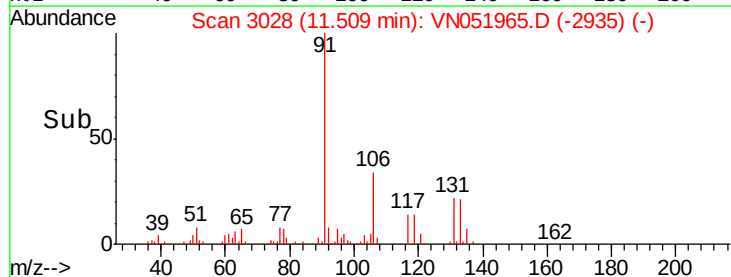
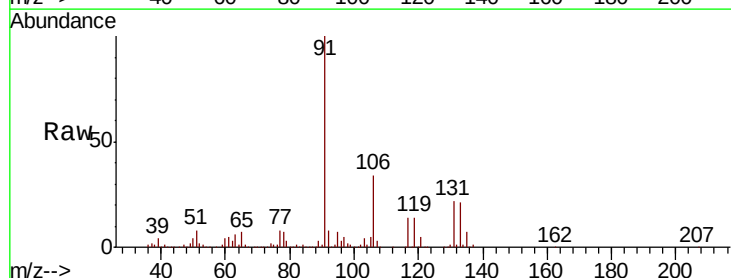
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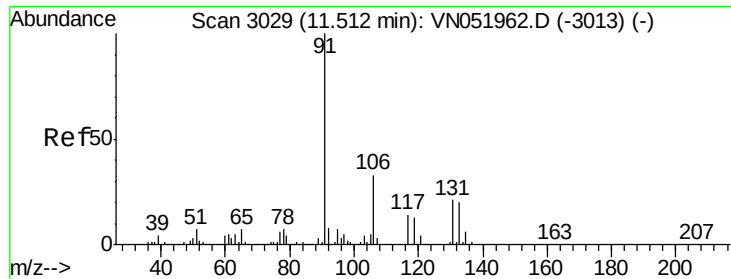
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.613 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion:131 Resp: 621732
Ion Ratio Lower Upper
131 100
133 94.7 47.8 143.3
119 63.7 32.0 96.2





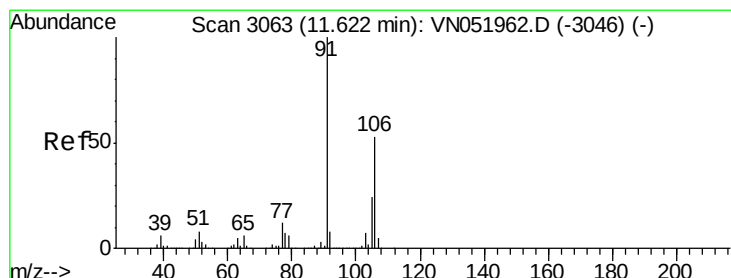
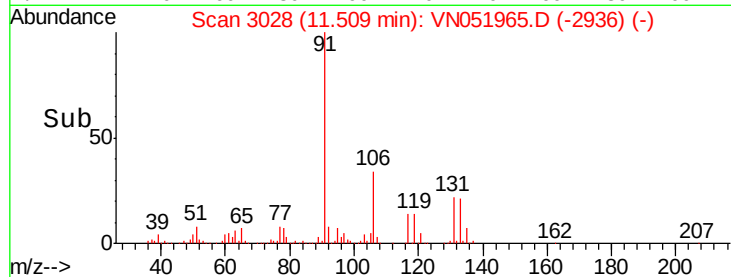
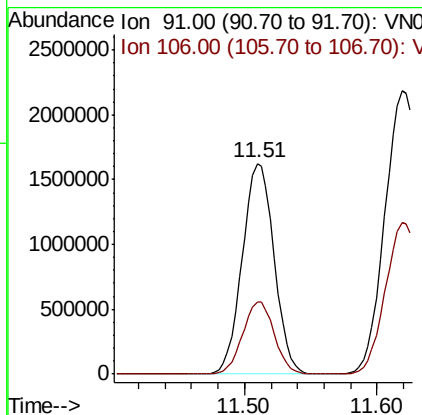
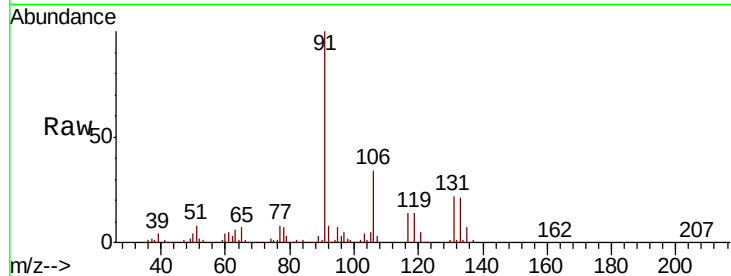
#67
Ethyl Benzene
Concen: 49.168 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion: 91 Resp: 2701039
Ion Ratio Lower Upper
91 100
106 34.1 26.4 39.6

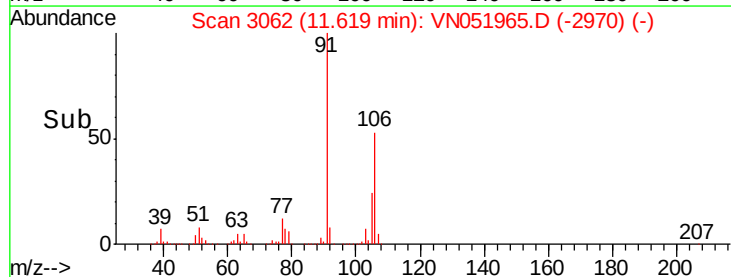
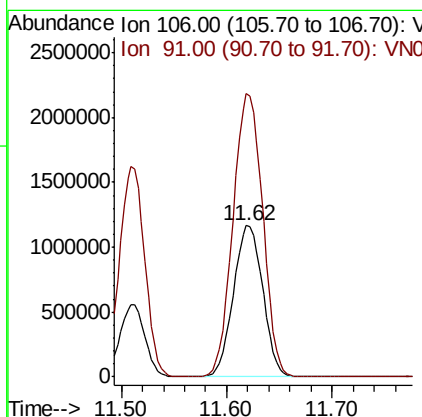
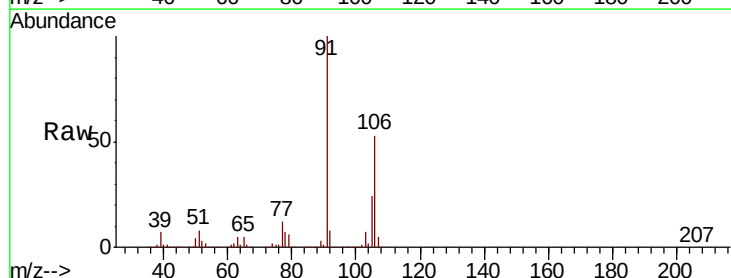
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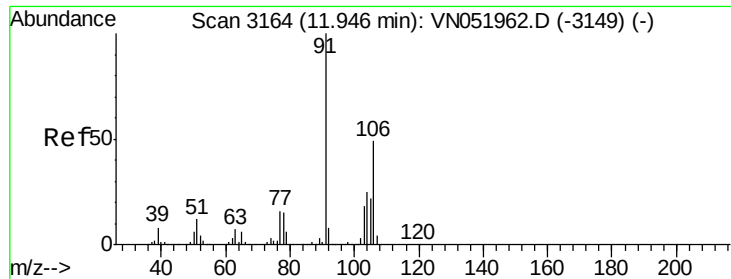
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#68
m/p-Xylenes
Concen: 102.701 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion: 106 Resp: 2254180
Ion Ratio Lower Upper
106 100
91 188.9 152.2 228.2





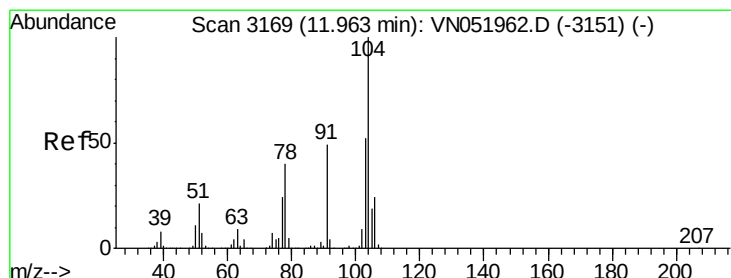
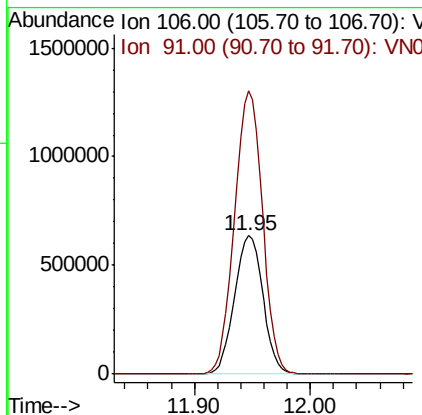
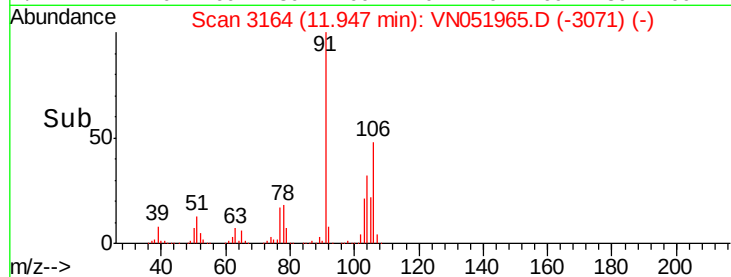
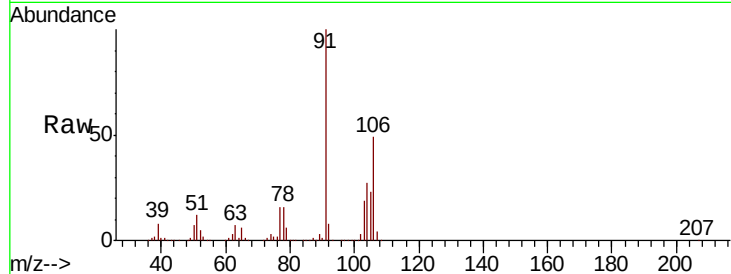
#69
o-Xylene
Concen: 50.441 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampled :
ICVFN102318

Tot Ion:106 Resp: 1076721
Ion Ratio Lower Upper
106 100
91 201.7 101.0 303.0

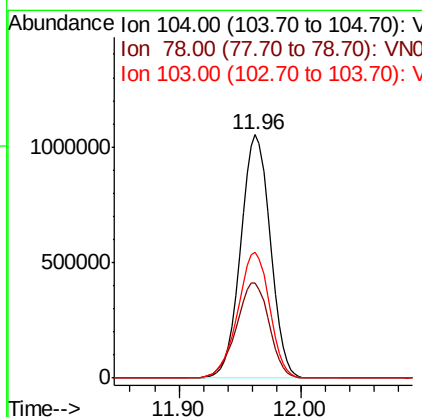
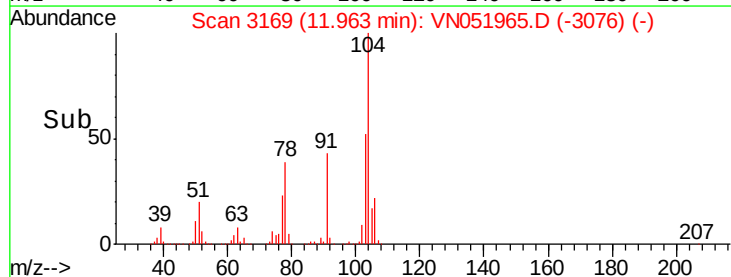
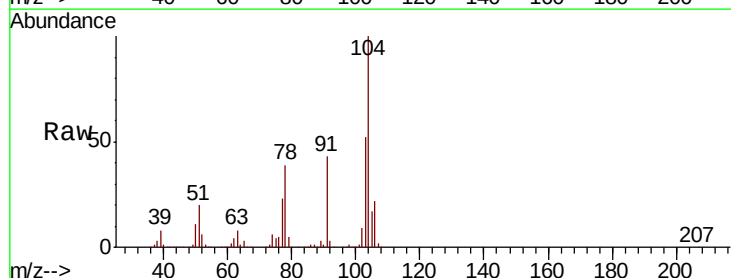
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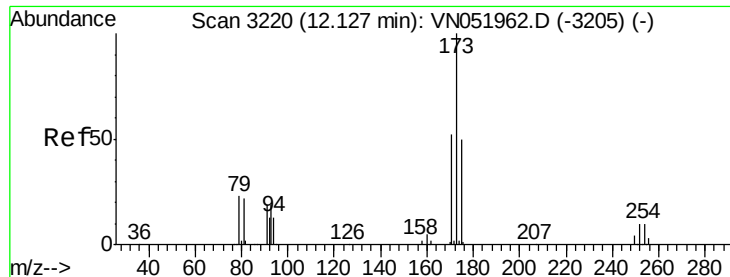
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#70
Styrene
Concen: 51.475 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion:104 Resp: 1756225
Ion Ratio Lower Upper
104 100
78 43.7 35.8 53.6
103 56.0 44.9 67.3





#71

Bromoform

Concen: 44.044 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102318

Tot Ion:173 Resp: 396823

Ion Ratio Lower Upper

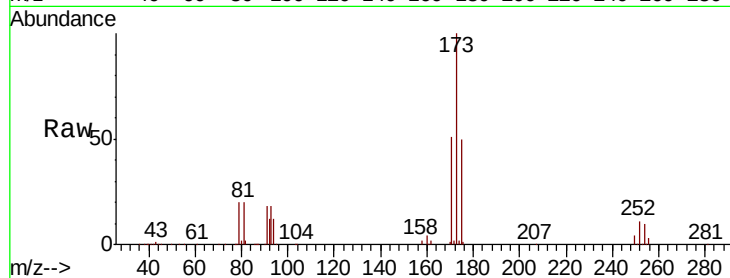
173 100

175 49.1 24.6 74.0

254 0.1 0.1 0.1#

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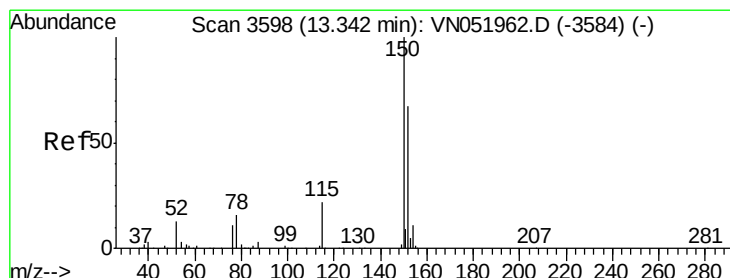
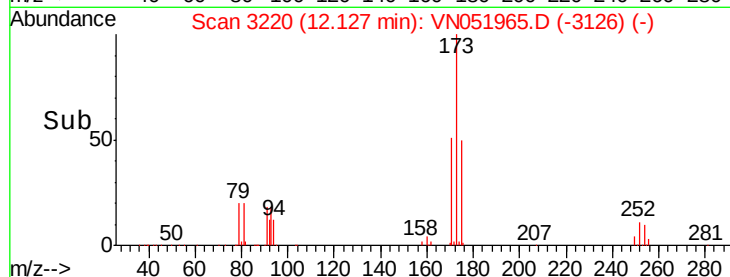
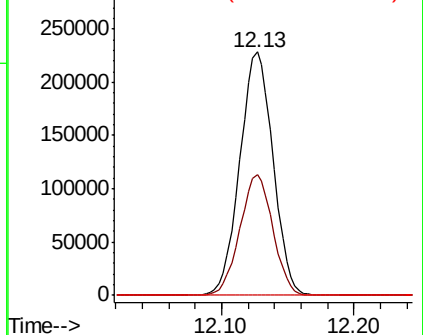
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

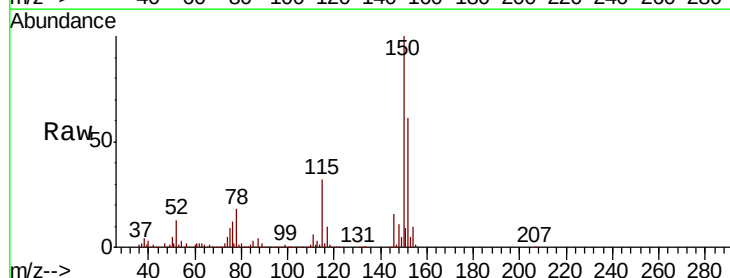
Tgt Ion:152 Resp: 963859

Ion Ratio Lower Upper

152 100

115 51.0 25.8 77.3

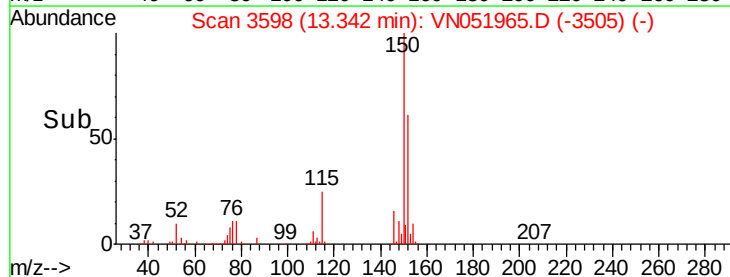
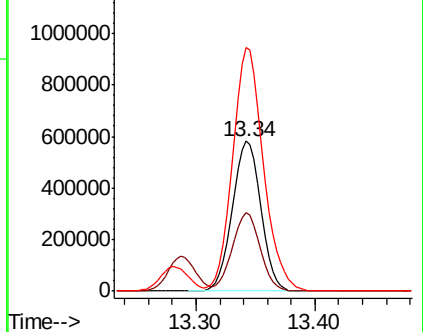
150 175.0 0.0 344.4

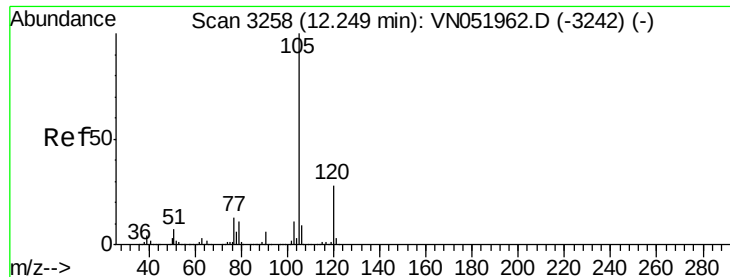


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.542 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVFN102318

Tot Ion:105 Resp: 2967259

Ion Ratio Lower Upper

105 100

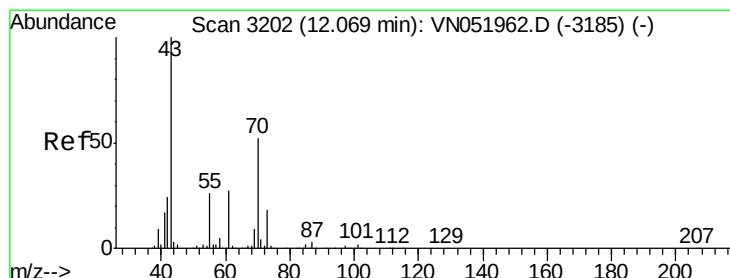
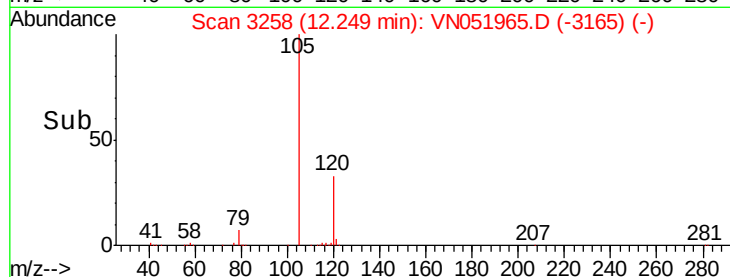
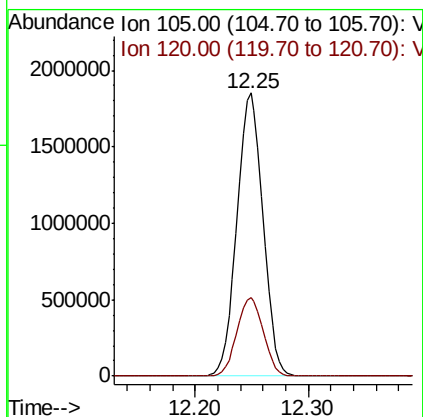
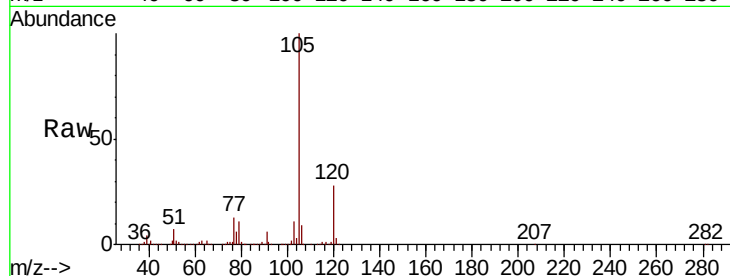
120 28.1 14.0 41.9

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#74

N-ethyl acetate

Concen: 43.664 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion: 43 Resp: 525359

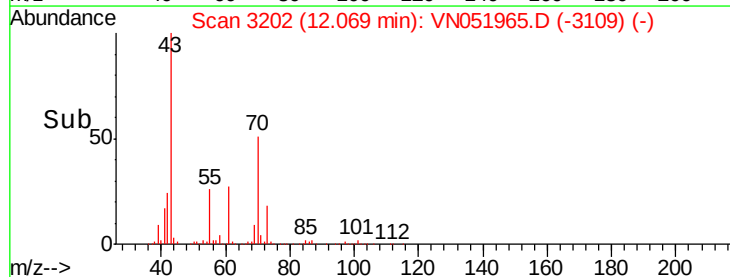
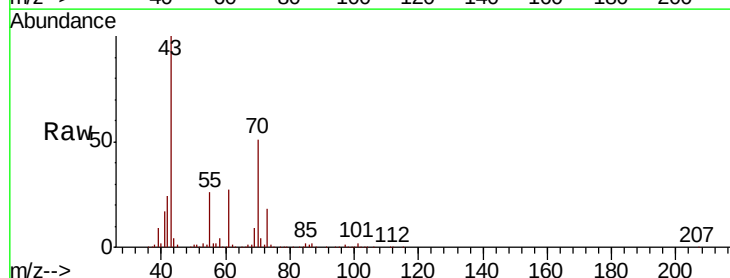
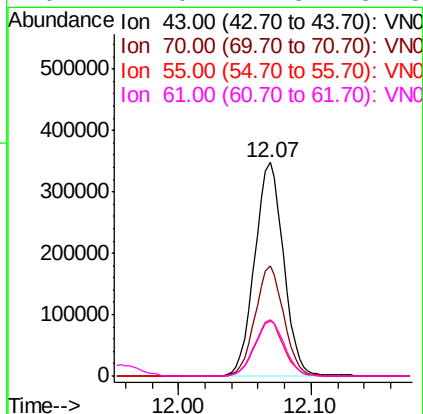
Ion Ratio Lower Upper

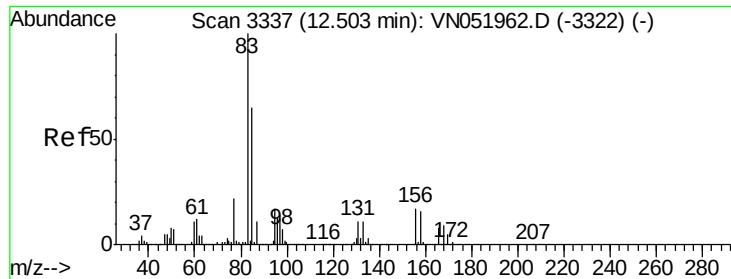
43 100

70 51.1 41.3 61.9

55 26.1 21.2 31.8

61 27.0 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 43.938 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

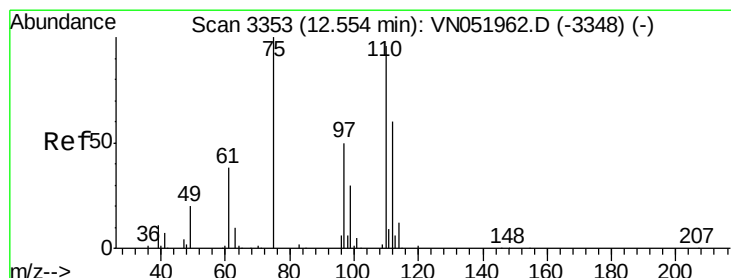
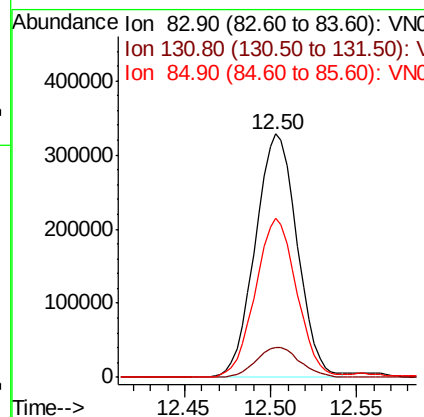
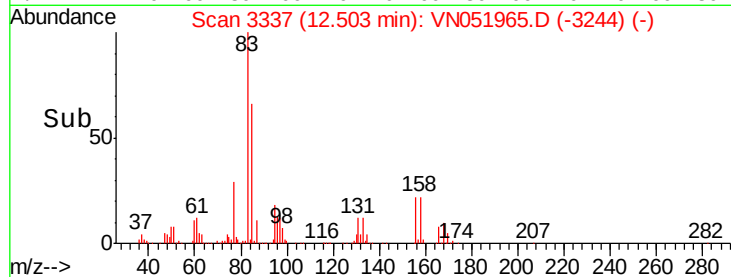
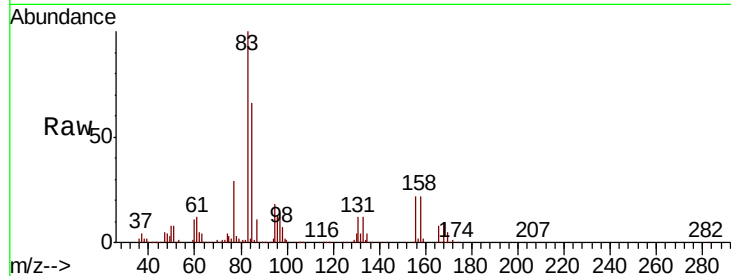
ClientSampleId :

ICVVN102318

Tot Ion:	83	Resp:	554973
Ion Ratio	Lower	Upper	
83	100		
131	12.9	6.2	18.6
85	64.4	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 41.516 ug/l m

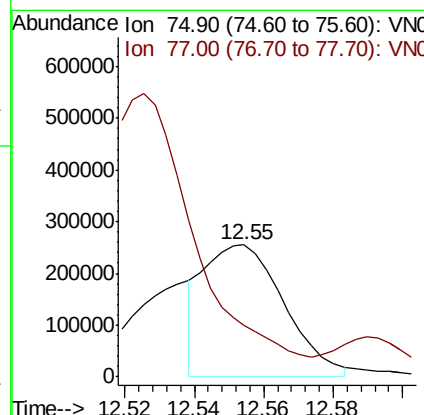
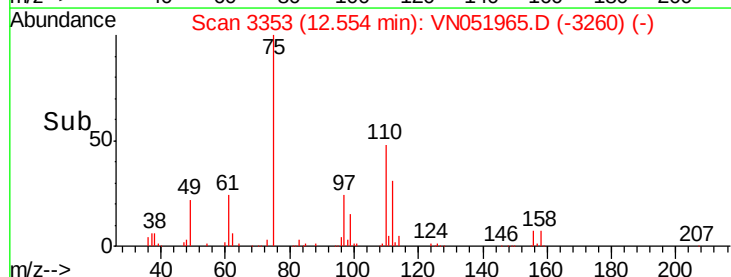
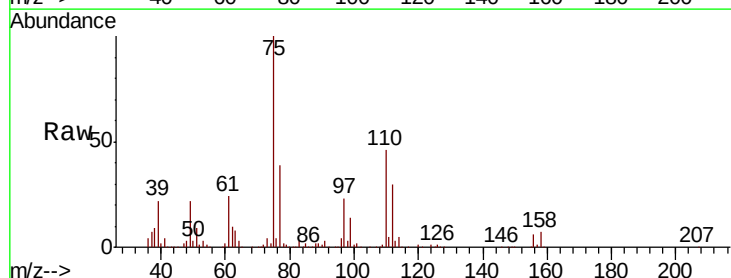
RT: 12.55 min Scan# 3353

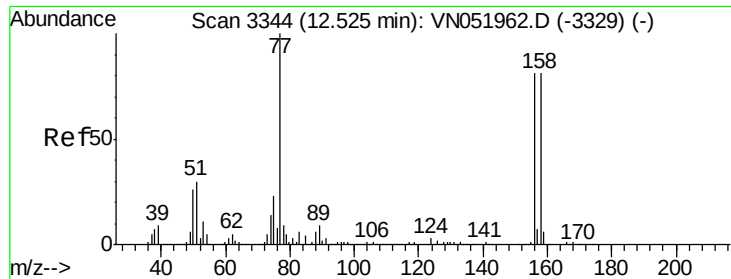
Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Tgt Ion:	75	Resp:	413338
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.831 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102318

Tot Ion:156 Resp: 823786

Ion Ratio Lower Upper

156 100

77 133.8 71.1 213.3

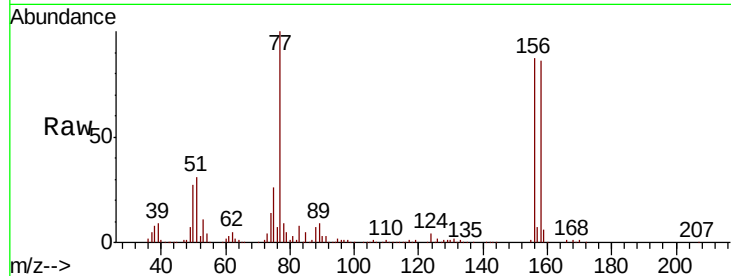
158 98.9 49.3 147.8

Manual Integrations

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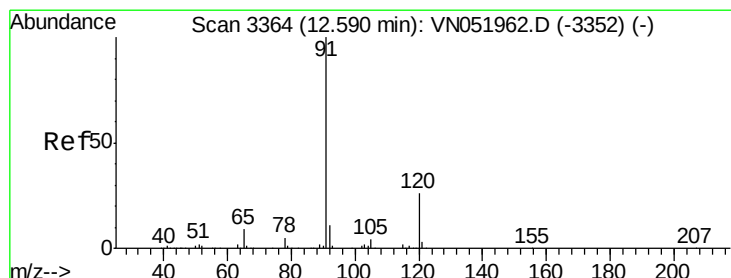
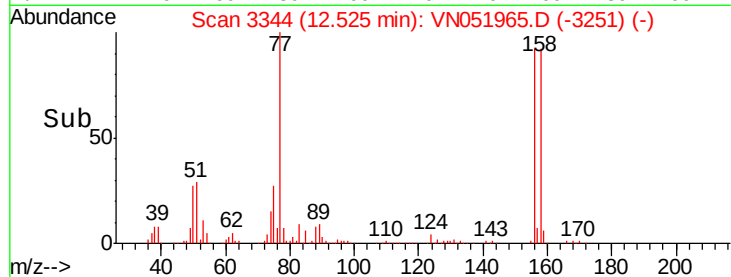
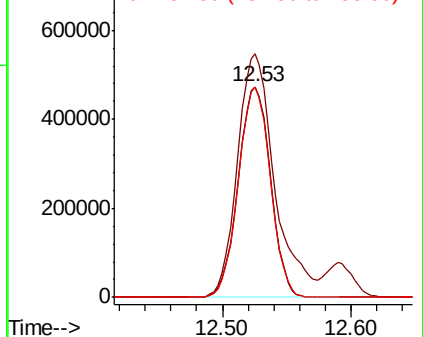
10/24/2018 10:09:36 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.233 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051965.D

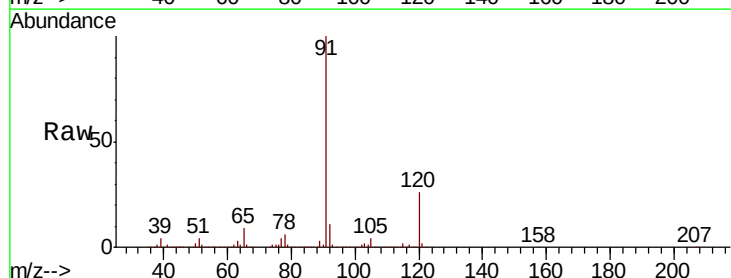
Acq: 23 Oct 2018 15:33

Tgt Ion: 91 Resp: 3246459

Ion Ratio Lower Upper

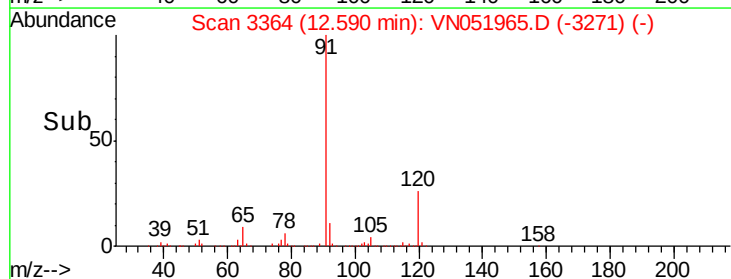
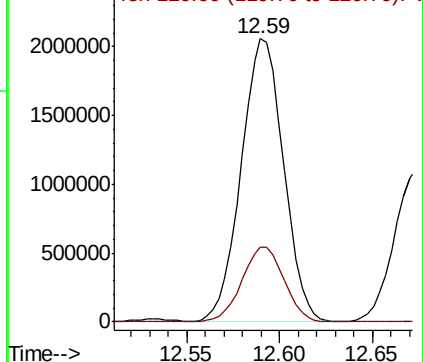
91 100

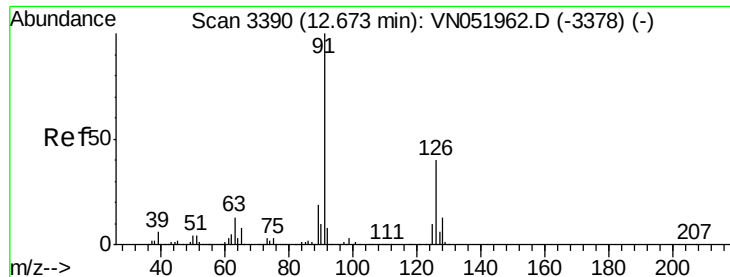
120 26.4 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.037 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVFN102318

Tot Ion: 91 Resp: 1844655

Ion Ratio Lower Upper

91 100

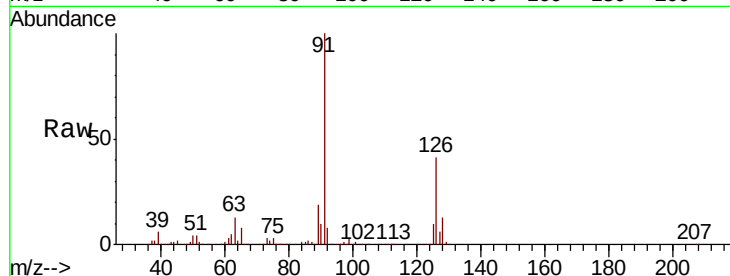
126 40.6 20.1 60.3

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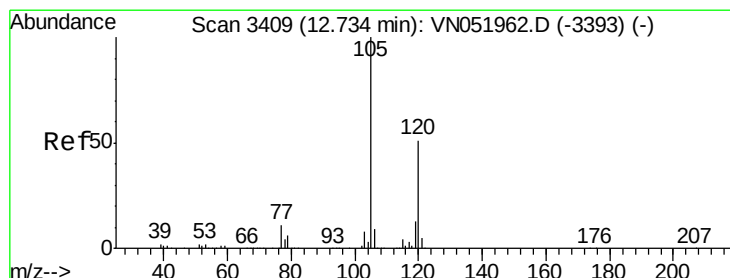
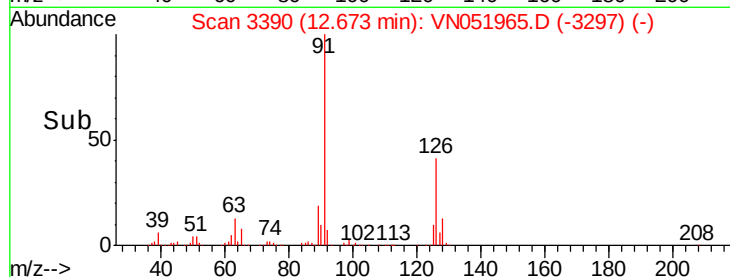
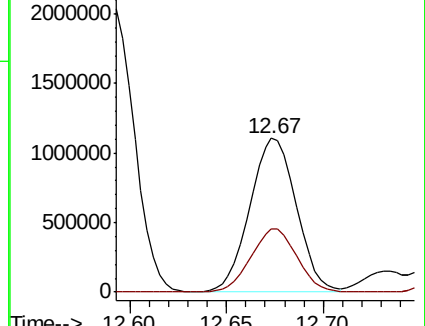
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Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3378) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 50.419 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051965.D

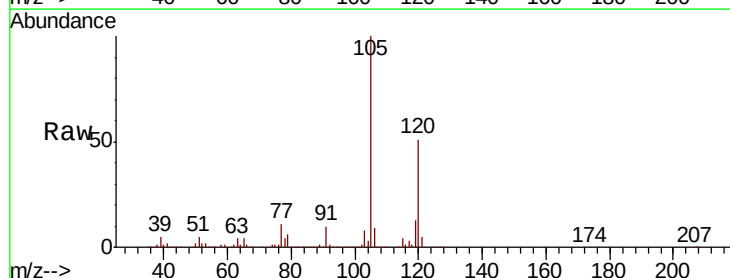
Acq: 23 Oct 2018 15:33

Tgt Ion: 105 Resp: 2472704

Ion Ratio Lower Upper

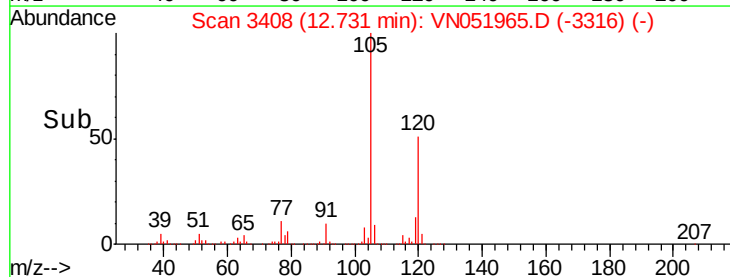
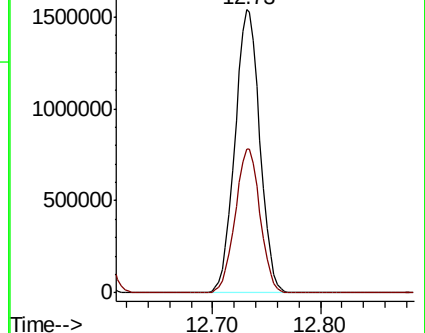
105 100

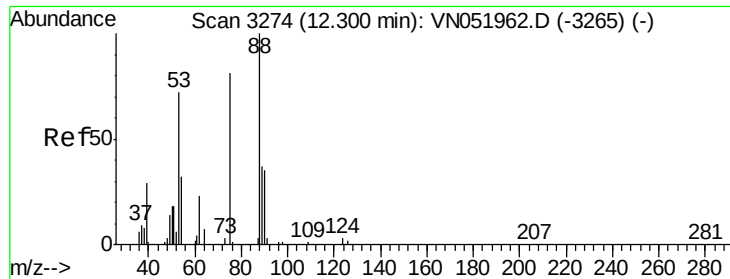
120 50.8 25.7 77.1



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

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





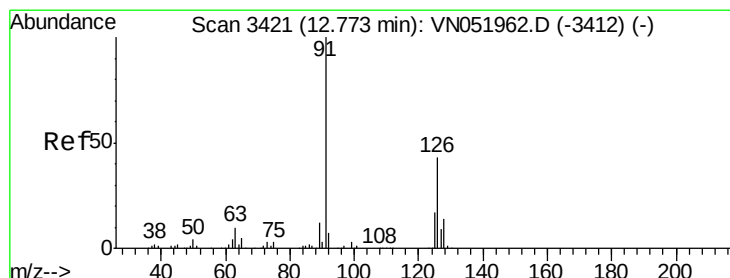
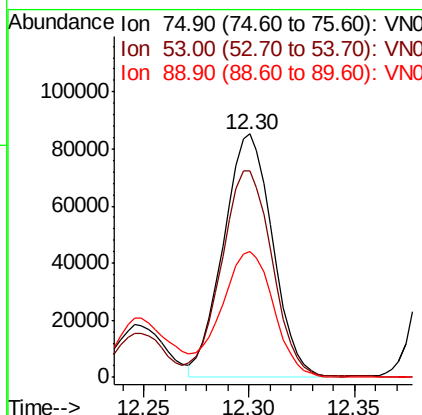
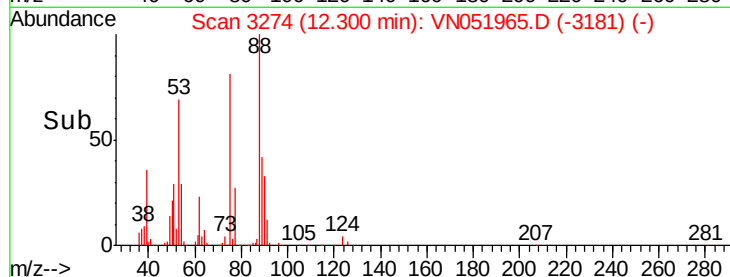
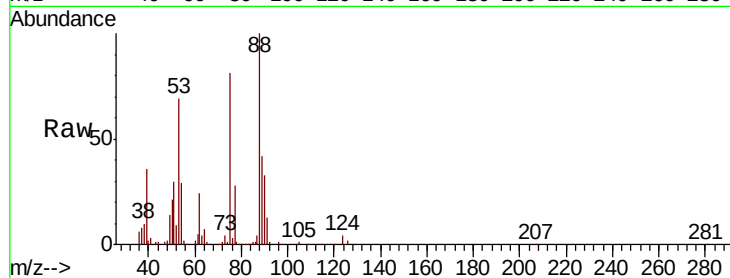
#81
trans-1,4-Dichloro-2-butene
Concen: 44.541 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.2	73.5	110.3
89	56.0	41.6	62.4

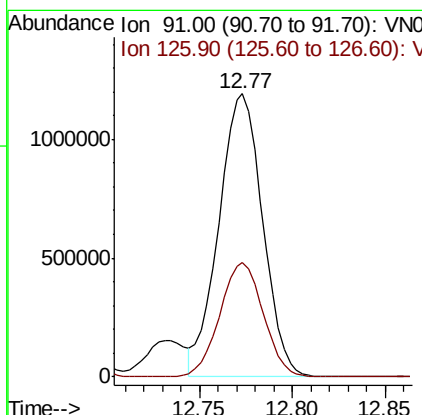
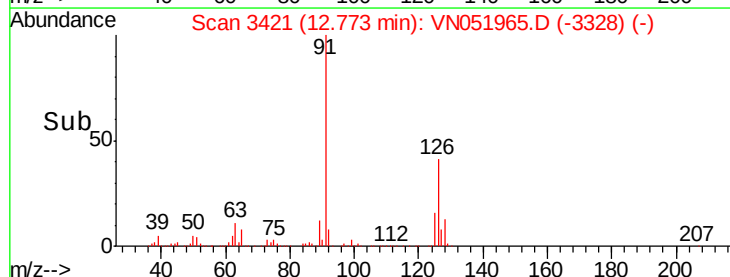
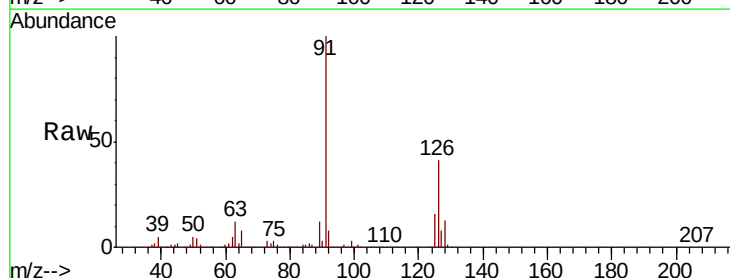
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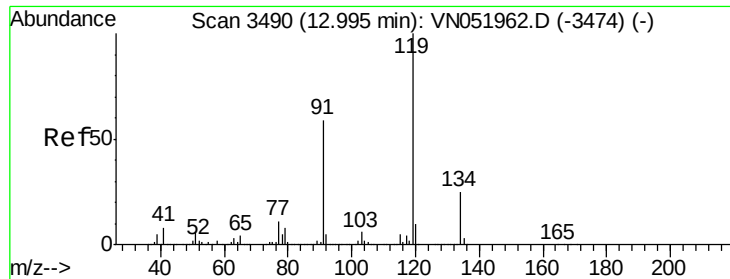
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#82
4-Chlorotoluene
Concen: 48.984 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	40.3	19.7	59.0





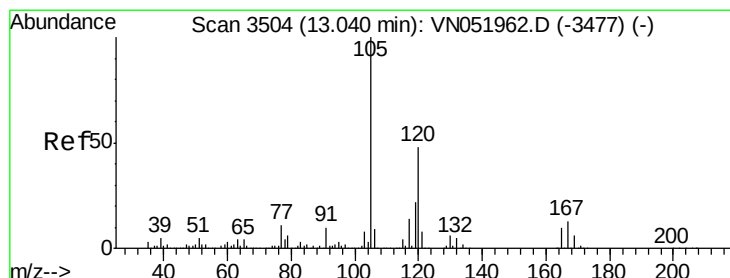
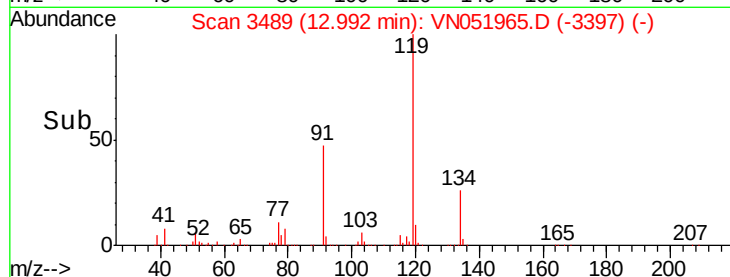
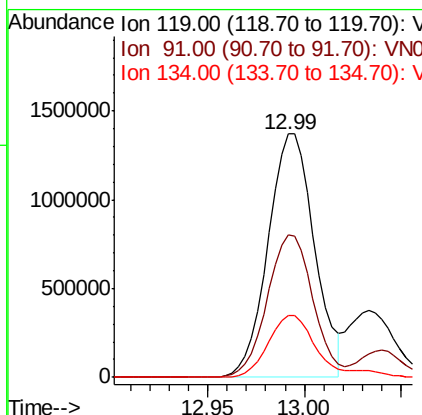
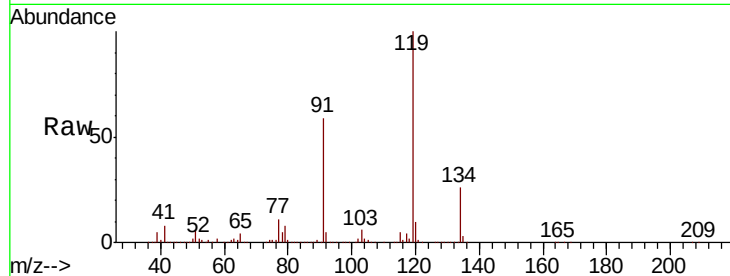
#83
 tert-Butylbenzene
 Concen: 49.305 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Tot Ion:119 Resp: 2287006
 Ion Ratio Lower Upper
 119 100
 91 57.7 28.8 86.4
 134 27.5 13.4 40.1

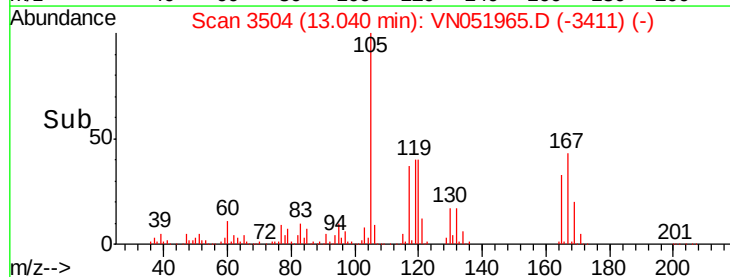
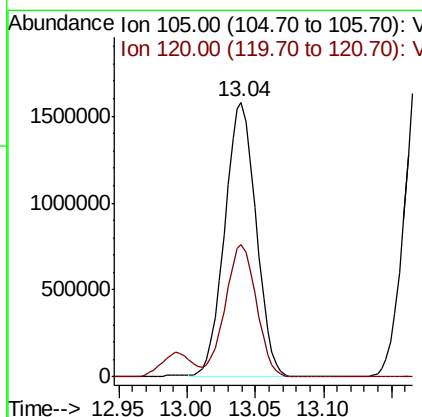
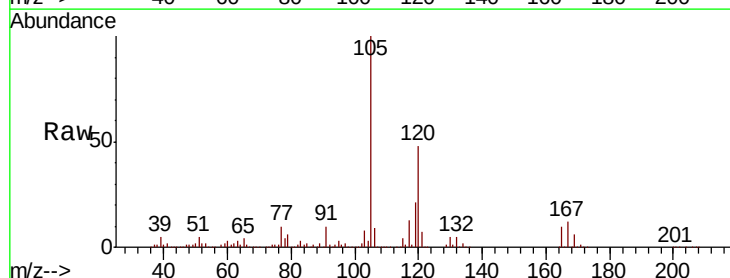
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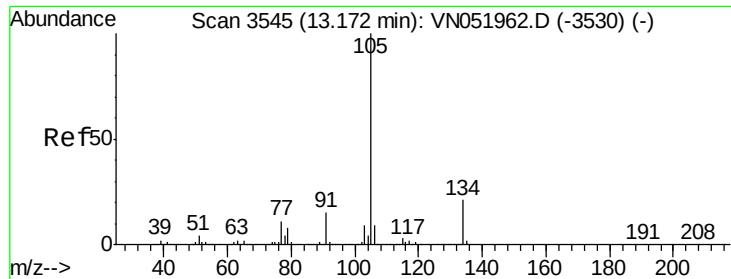
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.828 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion:105 Resp: 2520690
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.5





#85

sec-Butylbenzene

Concen: 50.834 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

ICVVN102318

Tot Ion:105 Resp: 3079638

Ion Ratio Lower Upper

105 100

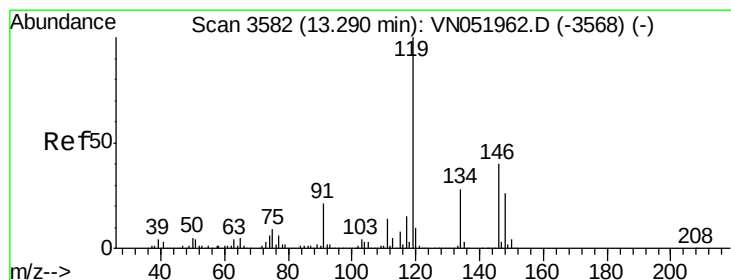
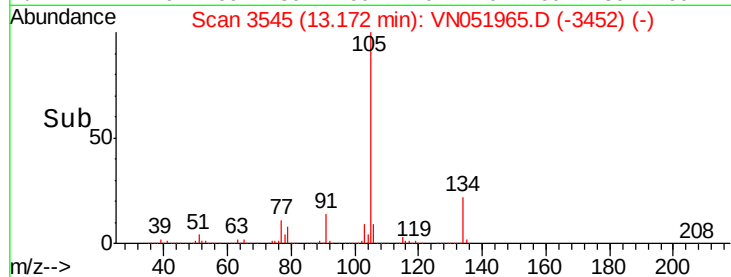
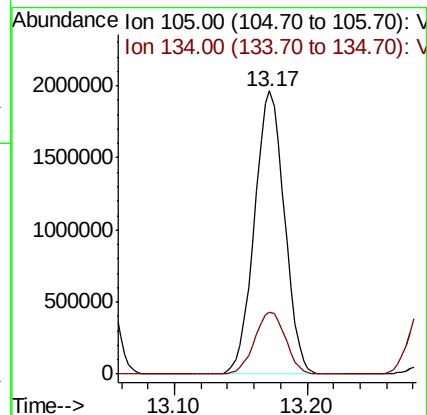
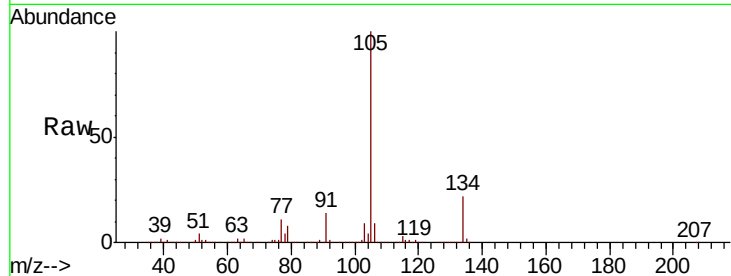
134 22.5 10.9 32.9

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#86

p-Isopropyltoluene

Concen: 52.068 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051965.D

Acq: 23 Oct 2018 15:33

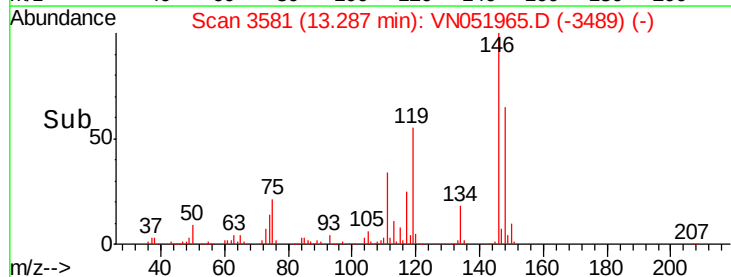
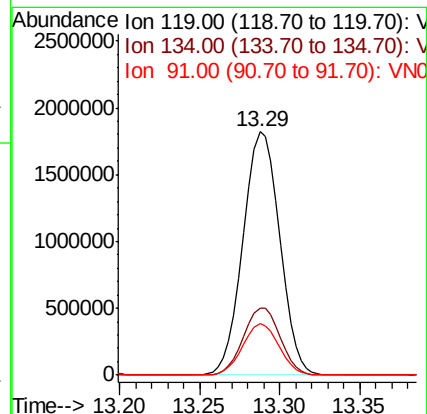
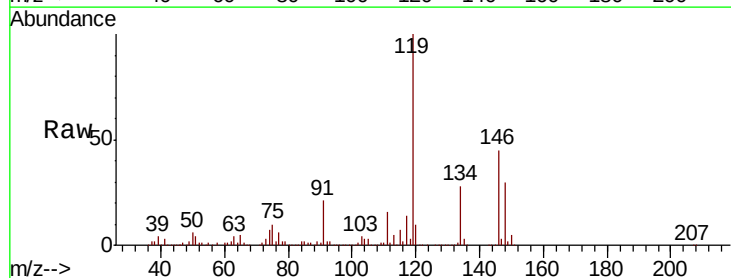
Tgt Ion:119 Resp: 2839938

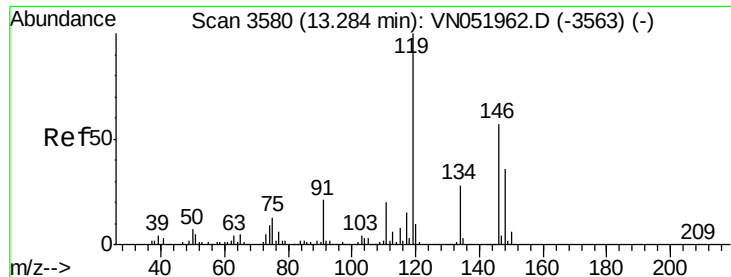
Ion Ratio Lower Upper

119 100

134 27.6 13.9 41.7

91 21.0 10.6 31.8





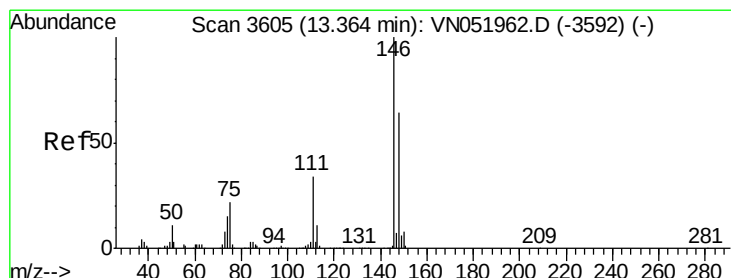
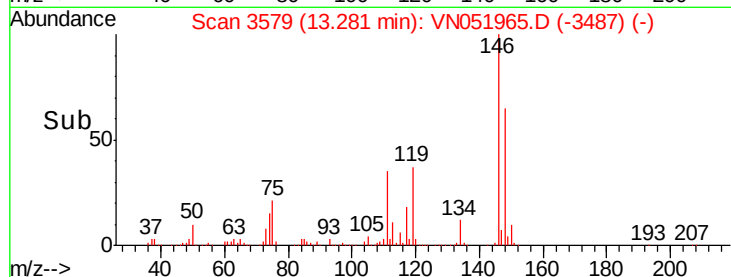
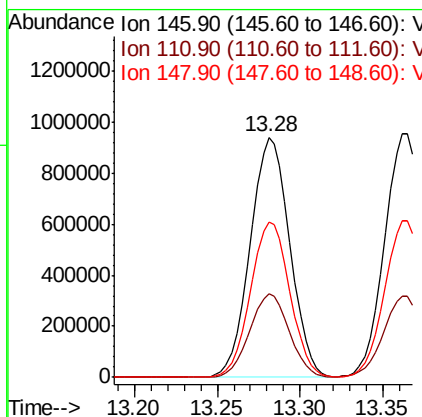
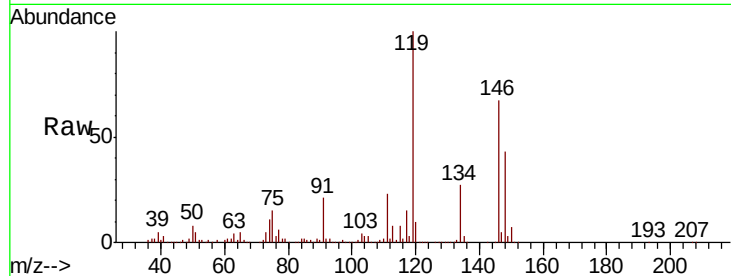
#87
 1,3-Dichlorobenzene
 Concen: 50.282 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.7	17.6	52.8
148	64.4	32.0	96.0

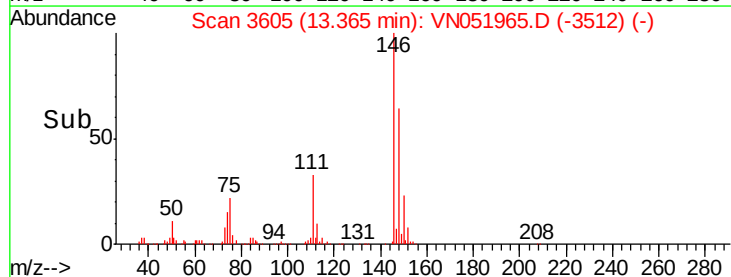
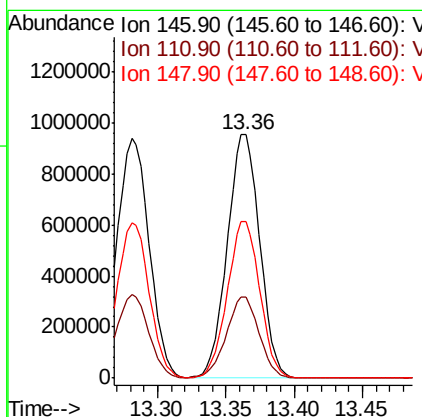
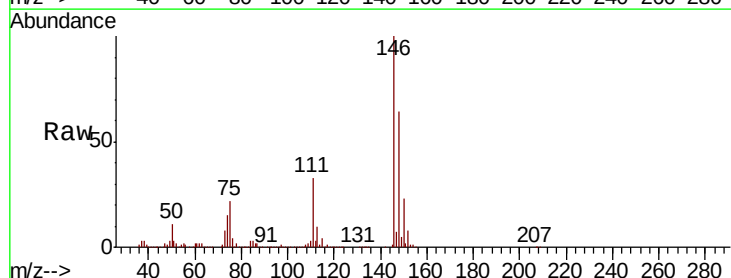
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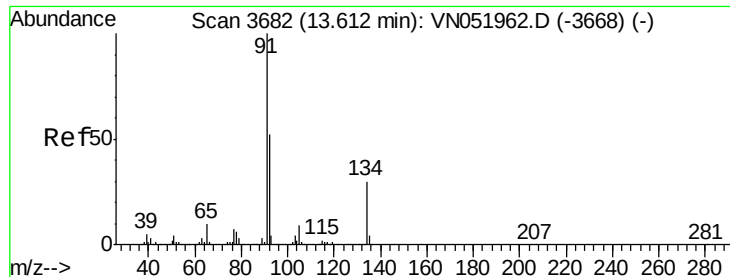
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#88
 1,4-Dichlorobenzene
 Concen: 51.329 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.7	17.3	51.7
148	64.5	32.1	96.3





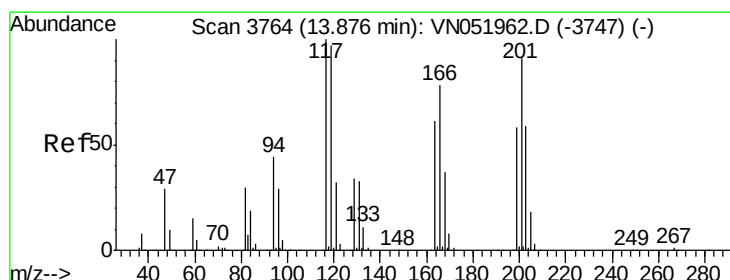
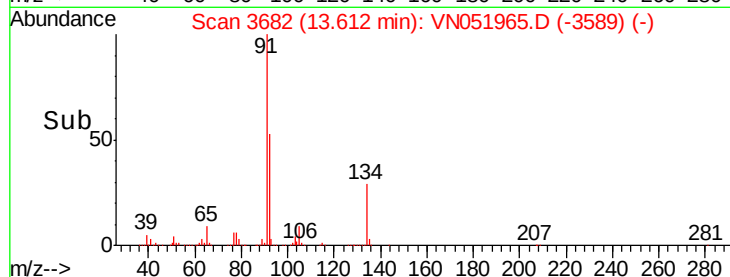
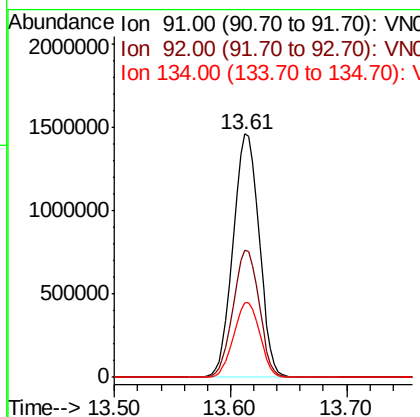
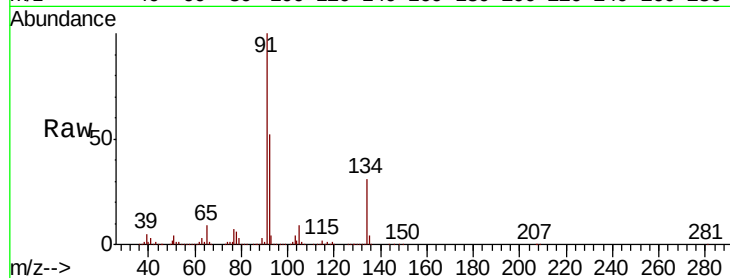
#89
n-Butylbenzene
Concen: 52.032 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.8
134	30.9	15.2	45.6

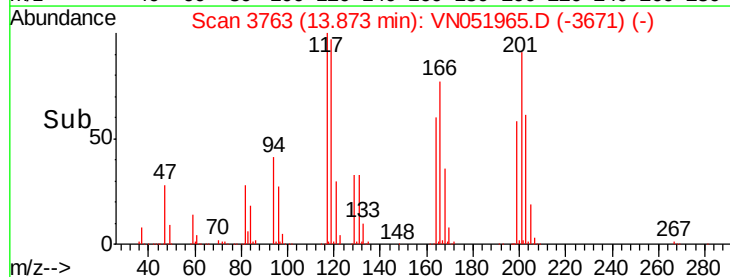
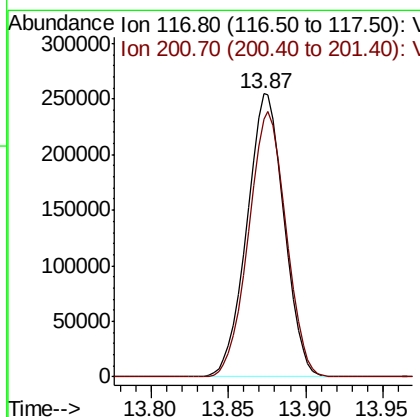
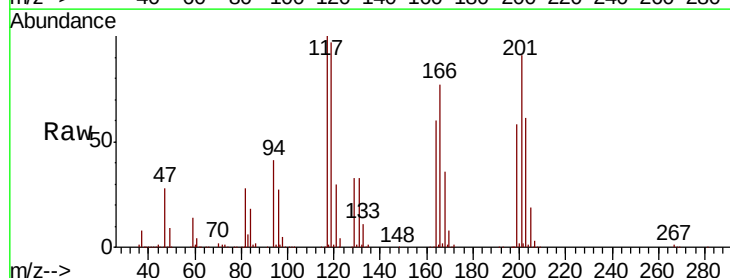
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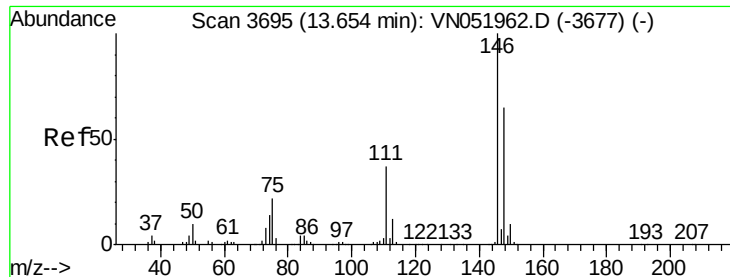
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#90
Hexachloroethane
Concen: 52.624 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.4	45.6	136.9





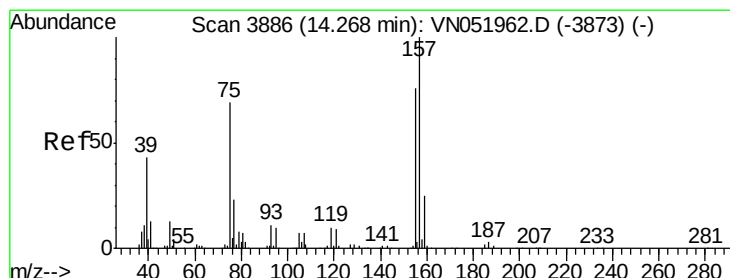
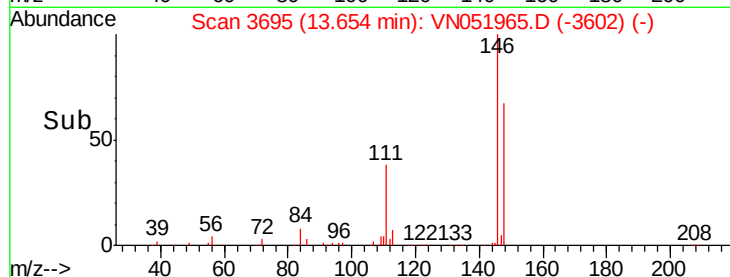
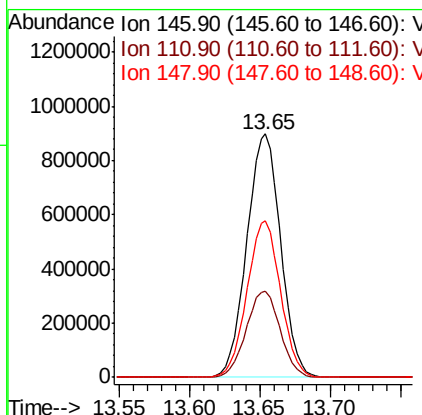
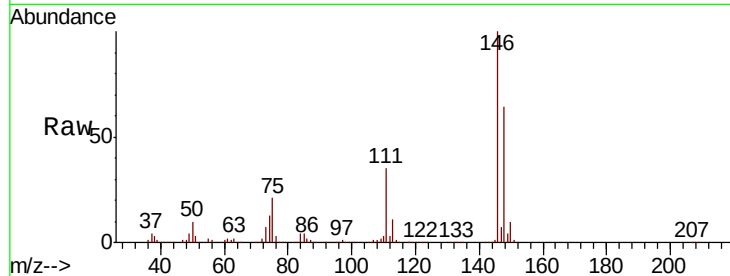
#91
 1,2-Dichlorobenzene
 Concen: 50.063 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.3	54.9
148	63.8	32.4	97.0

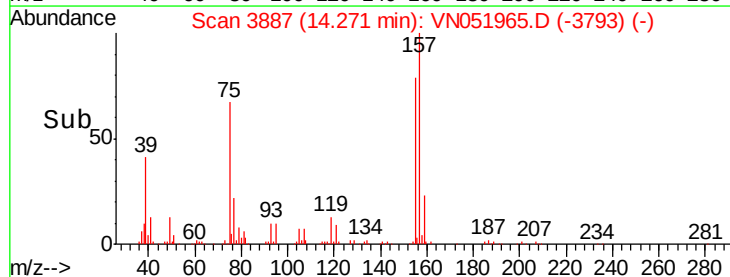
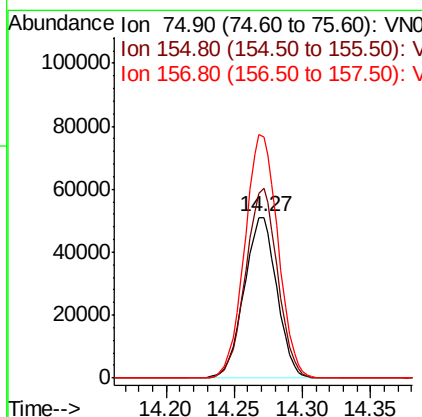
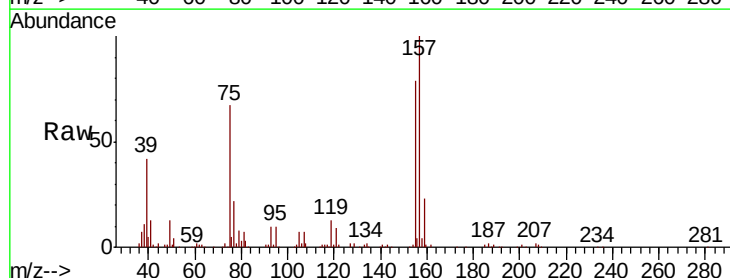
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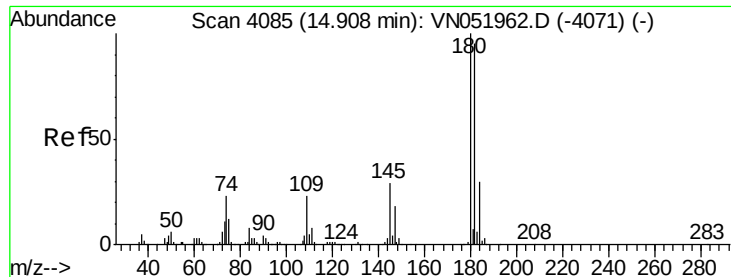
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.982 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	115.4	56.0	167.9
157	153.1	73.9	221.6





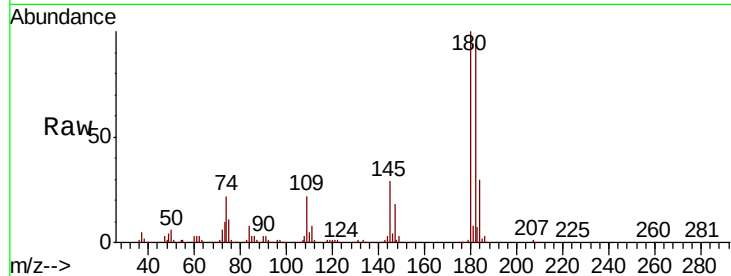
#93
 1,2,4-Trichlorobenzene
 Concen: 52.241 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102318

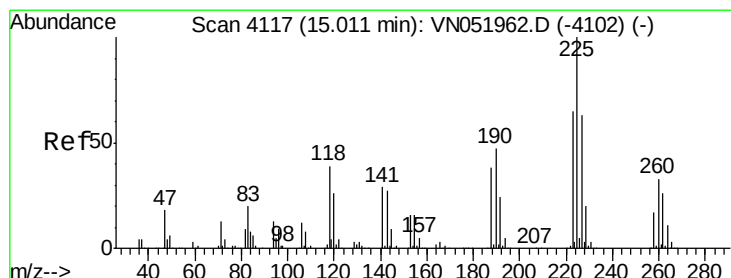
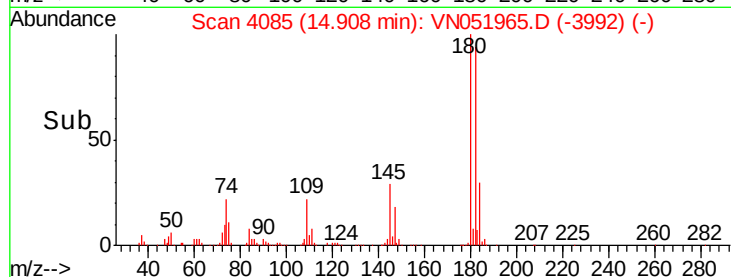
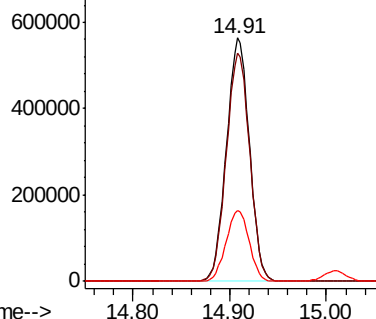
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.8	143.4	
145	29.2	14.5	43.5	

Manual Integrations
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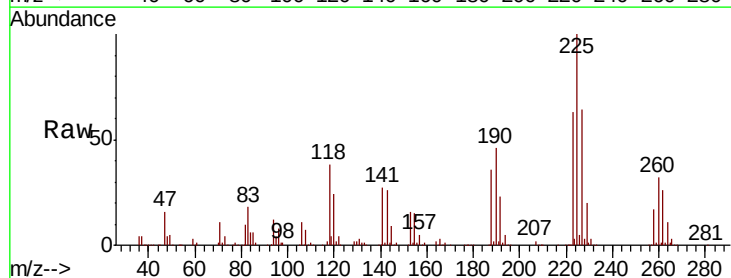


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

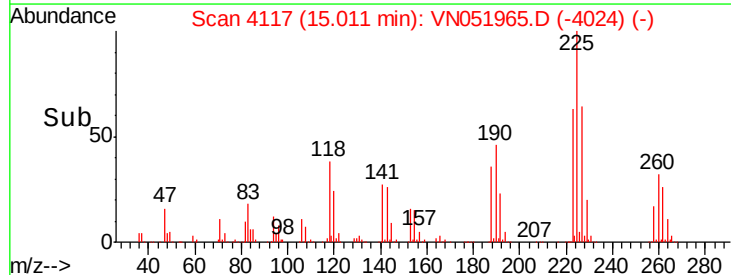
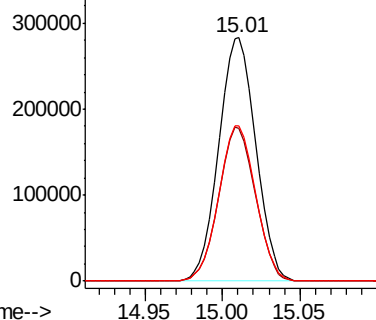


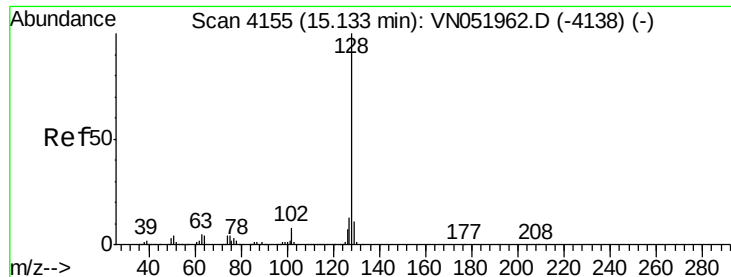
#94
 Hexachlorobutadiene
 Concen: 51.865 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051965.D
 Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.8	95.4	
227	63.5	31.4	94.2	



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





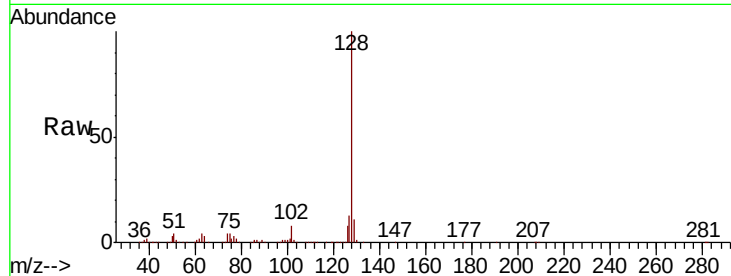
#95
Naphthalene
Concen: 49.719 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Instrument :
MSVOA_N
ClientSampleId :
ICVVN102318

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/24/2018 10:09:36 AM

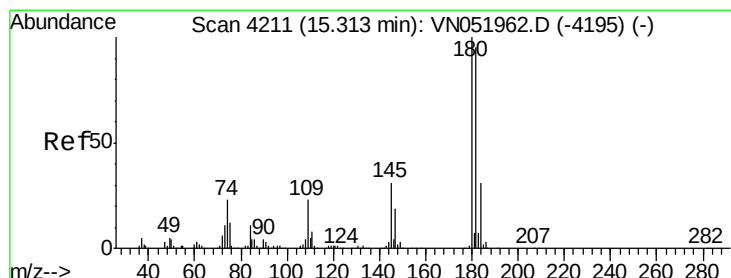
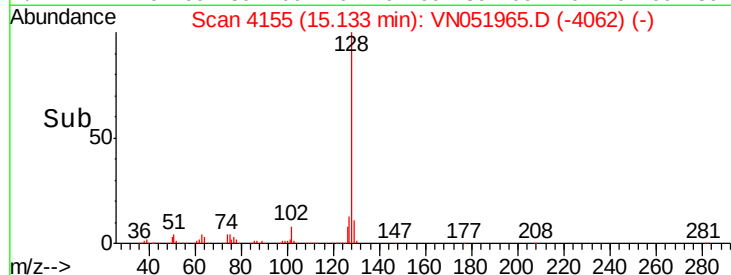
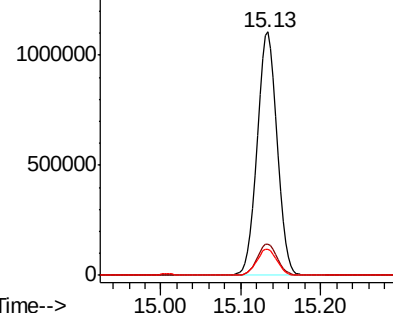


Abundance

Ion 128.00 (127.70 to 128.70): V

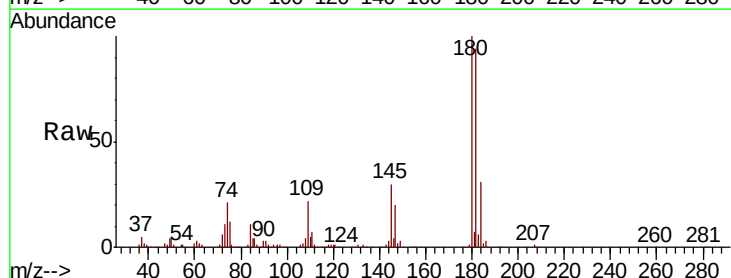
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.796 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051965.D
Acq: 23 Oct 2018 15:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.6
145	30.6	15.4	46.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

