

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051478.D
 Acq On : 25 Sep 2018 11:38
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:30 AM

Quant Time: Sep 26 01:51:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	86835	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	466598	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	391187	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	184743	30.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.03%
60) 4-Bromofluorobenzene	12.40	95	159055	27.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.30%
63) Toluene-d8	10.09	98	575498	30.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.27%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.85	85	32145	8.643	ug/l	98
3) Chloromethane	2.06	50	48785	7.629	ug/l	95
4) Vinyl Chloride	2.18	62	50637	7.422	ug/l	98
5) Bromomethane	2.57	94	35668	7.998	ug/l	88
6) Chloroethane	2.70	64	29451	7.003	ug/l	93
7) Trichlorofluoromethane	3.02	101	63517	7.172	ug/l	93
8) Diethyl Ether	3.41	74	16652	6.254	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	31966m	7.108	ug/l	
10) 1,1-Dichloroethene	3.73	96	28140	6.869	ug/l	89
11) Methyl Iodide	3.96	142	31412	5.200	ug/l	96
12) Methyl Acetate	4.33	43	25266	7.017	ug/l #	84
13) Acrolein	3.61	56	13789	28.720	ug/l	87
14) Acrylonitrile	4.99	53	43962	30.058	ug/l #	61
15) Acetone	3.82	58	12978	36.028	ug/l	84
16) Carbon Disulfide	4.06	76	94994	7.311	ug/l	98
17) Allyl chloride	4.32	41	46208	6.390	ug/l	97
18) Methylene Chloride	4.55	84	33771	6.903	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	29091	6.560	ug/l	99
20) Diisopropyl ether	5.95	45	85509	5.955	ug/l	91
21) 1,1-Dichloroethane	5.85	63	57997	6.705	ug/l	95
22) cis-1,2-Dichloroethene	6.83	96	31876	6.424	ug/l	95
23) tert-Butyl Alcohol	4.80	59	8940m	32.459	ug/l	
24) Methyl tert-Butyl Ether	5.05	73	68793	6.166	ug/l	98
25) Chloroform	7.37	83	56883	6.594	ug/l	89
26) Cyclohexane	7.66	56	41882	5.688	ug/l #	92
29) 1,1-Dichloropropene	7.79	75	39954	6.081	ug/l	99
30) 2-Butanone	6.85	43	53977	31.807	ug/l #	55
31) 2,2-Dichloropropane	6.83	77	45322m	6.467	ug/l	
32) 1,1,1-Trichloroethane	7.57	97	47989	6.398	ug/l	99
33) Carbon Tetrachloride	7.78	117	44369	6.447	ug/l	95
34) Benzene	8.04	78	126028	6.461	ug/l	94
35) Methacrylonitrile	7.18	41	9578	3.917	ug/l	82
36) 1,2-Dichloroethane	8.13	62	41792	6.580	ug/l	100
37) Trichloroethene	8.84	130	34012	6.579	ug/l	97
38) Methylcyclohexane	9.08	83	42959	5.641	ug/l	97
39) 1,2-Dichloropropane	9.12	63	34140	6.434	ug/l	95
40) Dibromomethane	9.21	93	19377	6.416	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	41556	6.259	ug/l	97
42) Vinyl Acetate	5.90	43	260131	27.567	ug/l	100
43) Ethyl Acetate	6.93	43	16703	4.730	ug/l #	92
44) Isopropyl Acetate	8.17	43	40388	5.947	ug/l	99
45) 1,4-Dioxane	9.20	88	4706	113.905	ug/l	93
46) Methyl methacrylate	9.20	41	17850	5.308	ug/l	97
47) n-amyl Acetate	12.07	43	23990	4.421	ug/l #	75
48) t-1,3-Dichloropropene	10.38	75	37405	5.673	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	43656	5.720	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	28000	6.484	ug/l	96
51) Ethyl methacrylate	10.43	69	25649	5.019	ug/l	94
52) 1,3-Dichloropropane	10.71	76	44893	6.163	ug/l	96
53) Dibromochloromethane	10.90	129	29022	5.843	ug/l	95
54) 1,2-Dibromoethane	11.01	107	25275	6.066	ug/l	94
55) 2-Chloroethyl vinyl ether	9.70	63	62566	24.793	ug/l	99
56) Bromoform	12.13	173	18934	5.654	ug/l	94
58) 4-Methyl-2-Pentanone	9.99	43	100405	29.206	ug/l	97
59) 2-Hexanone	10.75	43	65537	28.965	ug/l	98
61) Tetrachloroethene	10.63	164	29576	6.499	ug/l	96
62) Toluene	10.16	91	128557	6.419	ug/l	98
64) Chlorobenzene	11.43	112	76725	6.249	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.51	131	30512	6.428	ug/l	99
66) Ethyl Benzene	11.51	91	116739	5.651	ug/l	97
67) m/p-Xylenes	11.62	106	87295	10.976	ug/l	98
68) o-Xylene	11.95	106	42214	5.573	ug/l	96
69) Styrene	11.96	104	61573	5.146	ug/l	99
70) Isopropylbenzene	12.25	105	110060	5.429	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	30592	6.410	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	25540m	6.787	ug/l	
73) Bromobenzene	12.53	156	29958	5.863	ug/l	95
74) n-propylbenzene	12.59	91	122998	5.219	ug/l	99
75) 2-Chlorotoluene	12.68	91	79101	5.687	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	86576	5.175	ug/l	96
77) t-1,4-Dichloro-2-butene	12.30	75	6125	4.719	ug/l	86
78) 4-Chlorotoluene	12.77	91	74108	5.372	ug/l	98
79) tert-butylbenzene	12.99	119	79030	5.426	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	85307	5.073	ug/l	100
81) sec-Butylbenzene	13.17	105	104636	5.223	ug/l	99
82) p-Isopropyltoluene	13.29	119	83798	4.845	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	49075	5.476	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	43301	5.145	ug/l	97
85) n-Butylbenzene	13.61	91	60458	4.257	ug/l	98
86) Hexachloroethane	13.87	117	21373	6.167	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	47519	5.593	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	4291	6.092	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	14476	3.421	ug/l	97
90) Hexachlorobutadiene	15.01	225	20492	6.248	ug/l	98
91) Naphthalene	15.13	128	26133	3.273	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.32	180	18243	4.271	ug/l	94

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

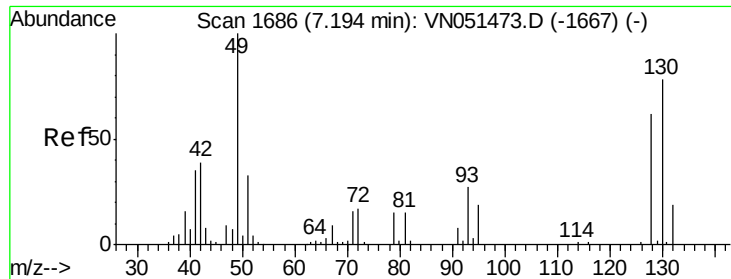
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Wed Sep 26 01:19:41 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



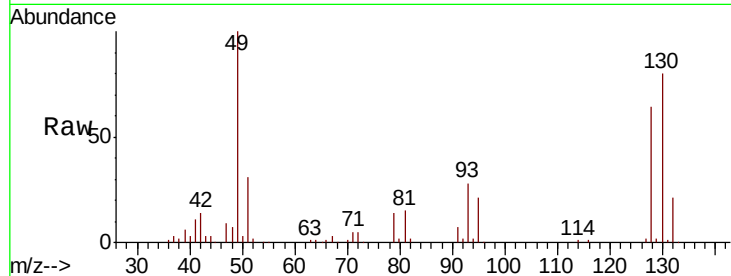
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

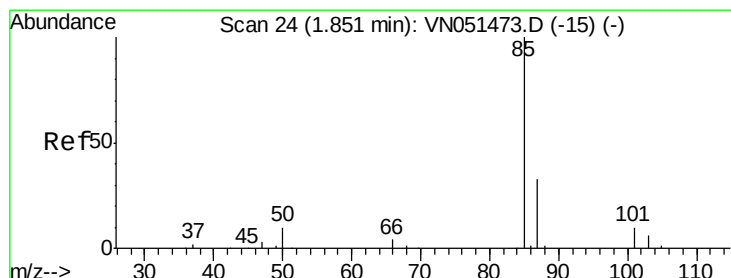
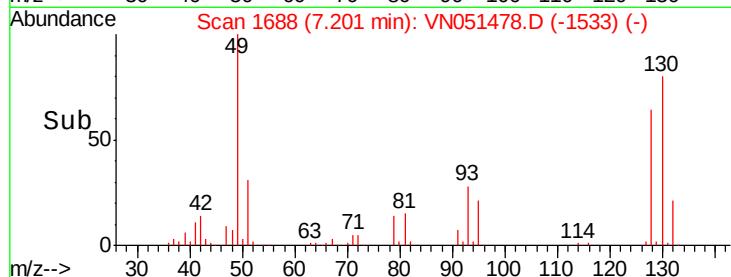
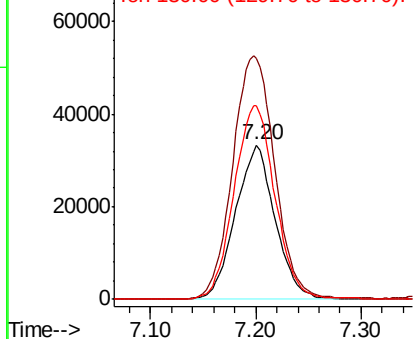
Tot Ion	Ratio	Lower	Upper
128	100		
49	167.9	0.0	403.3
130	130.1	0.0	326.0

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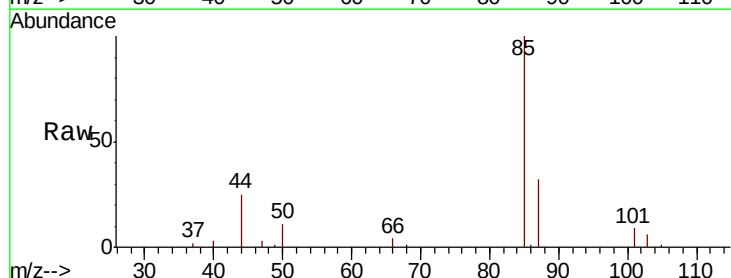


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

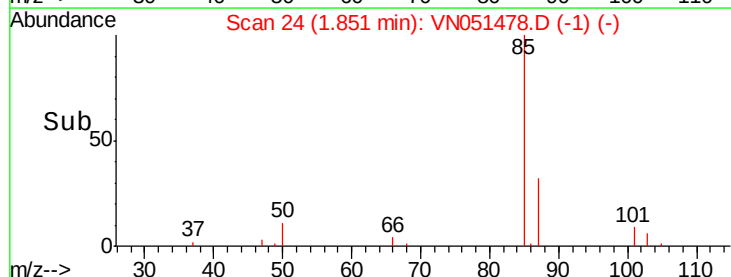
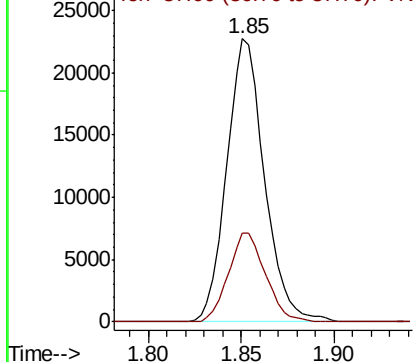


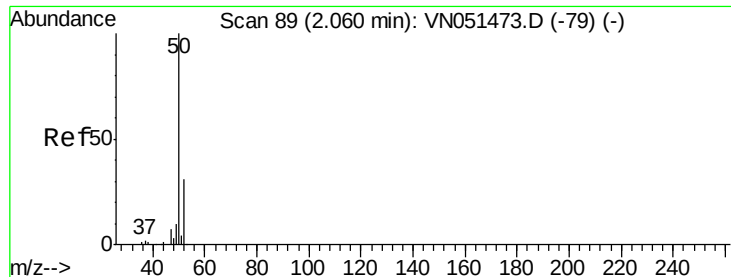
#2
Dichlorodifluoromethane
Concen: 8.643 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 7.629 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 48785

Ion Ratio Lower Upper

50 100

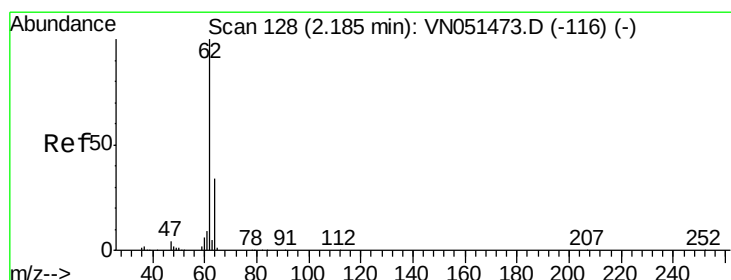
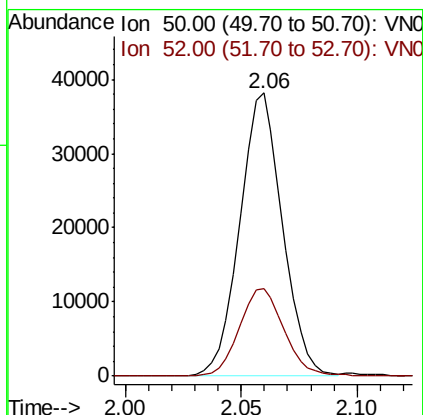
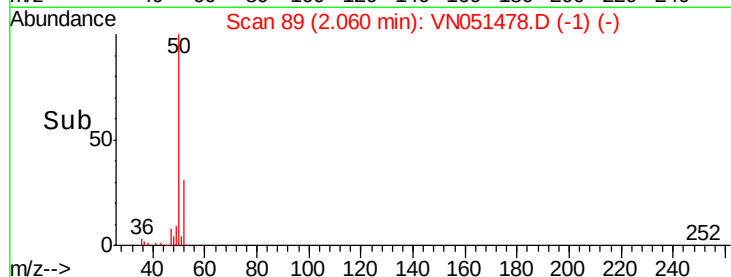
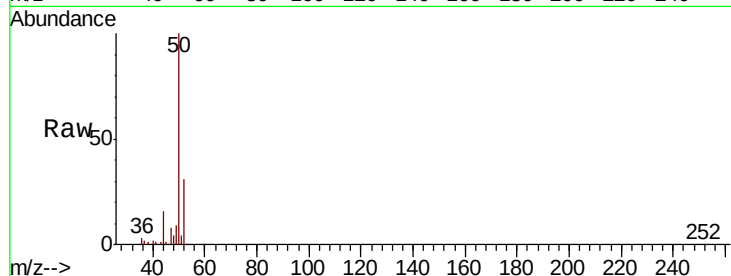
52 31.1 27.2 40.8

Manual Integrations

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10/1/2018 11:21:30 AM



#4

Vinyl Chloride

Concen: 7.422 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051478.D

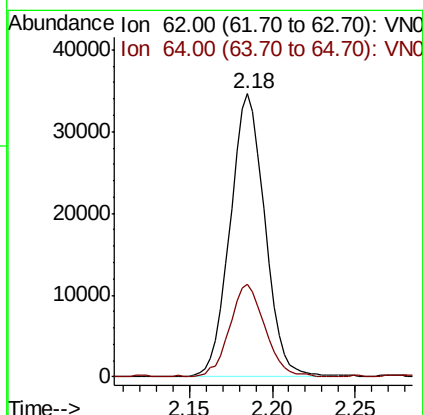
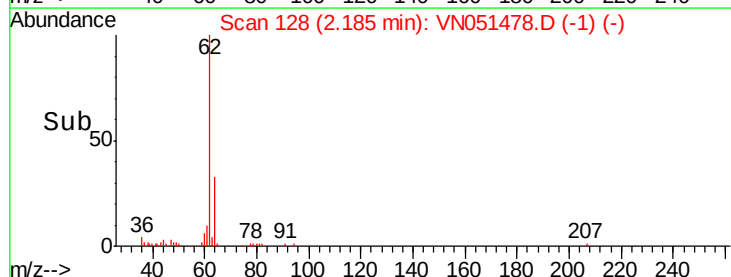
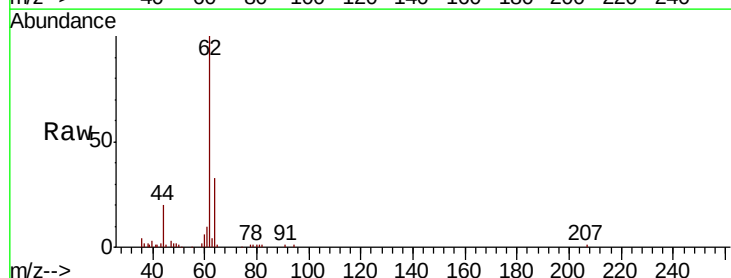
Acq: 25 Sep 2018 11:38

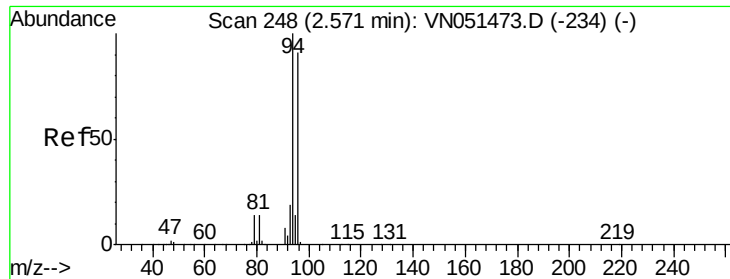
Tgt Ion: 62 Resp: 50637

Ion Ratio Lower Upper

62 100

64 32.9 25.4 38.2





#5

Bromomethane

Concen: 7.998 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 35668

Ion Ratio Lower Upper

94 100

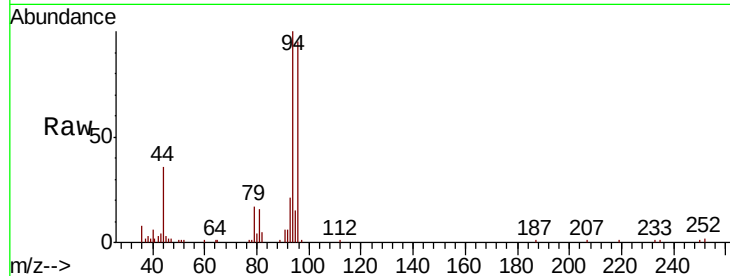
96 94.2 66.4 99.6

Manual Integrations

APPROVED

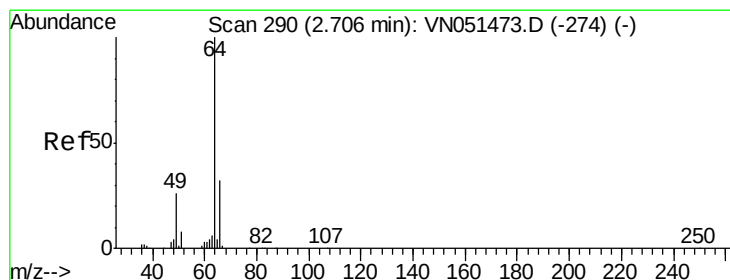
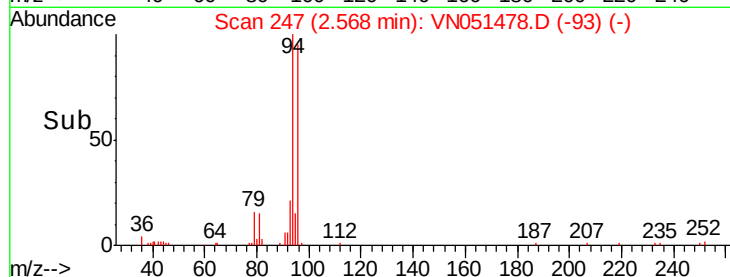
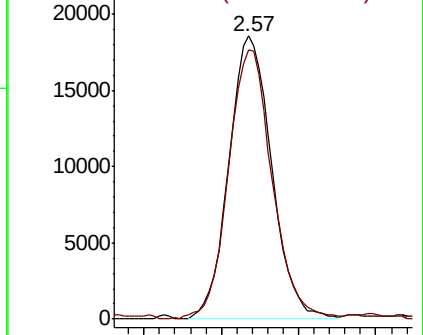
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10/1/2018 11:21:30 AM



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 7.003 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051478.D

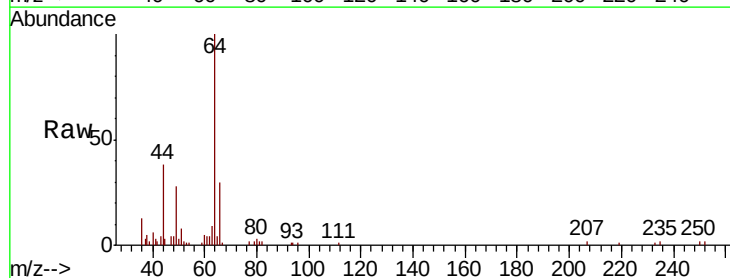
Acq: 25 Sep 2018 11:38

Tgt Ion: 64 Resp: 29451

Ion Ratio Lower Upper

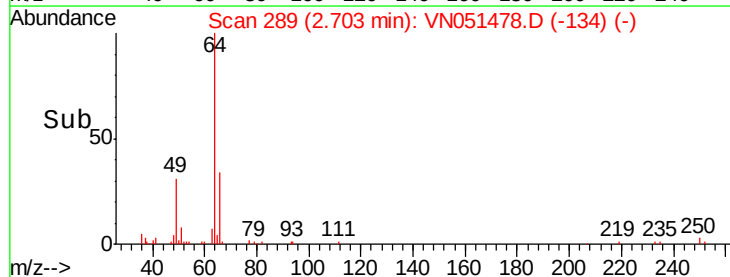
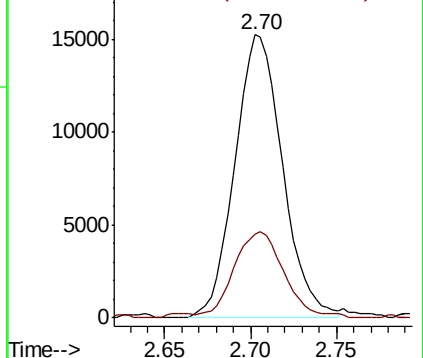
64 100

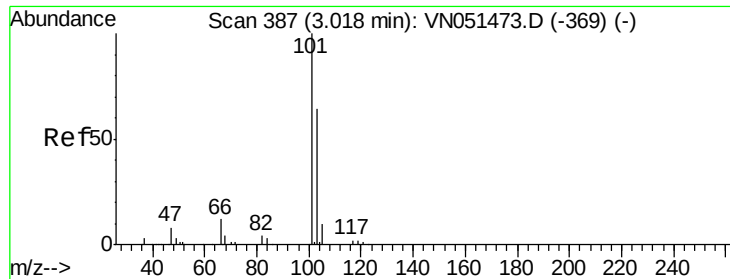
66 28.5 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

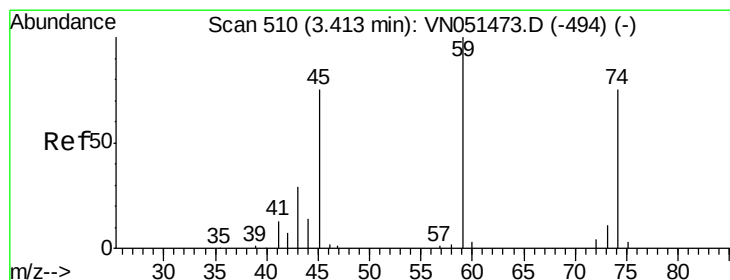
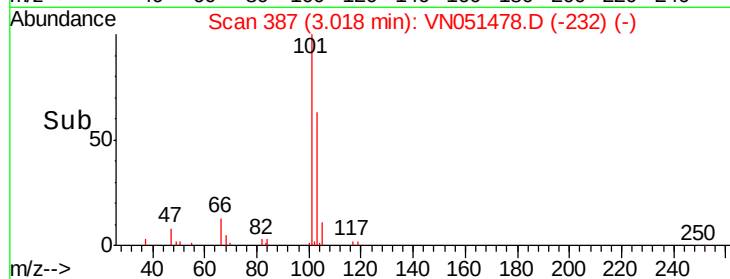
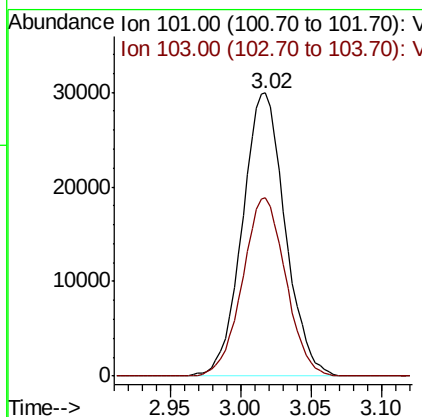
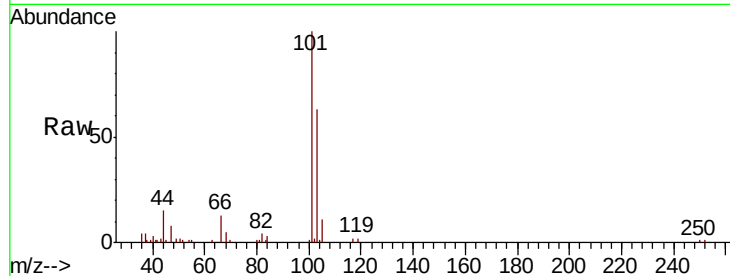
Trichlorofluoromethane
Concen: 7.172 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		63517		
103	63.2	54.8	82.2		

Manual Integrations
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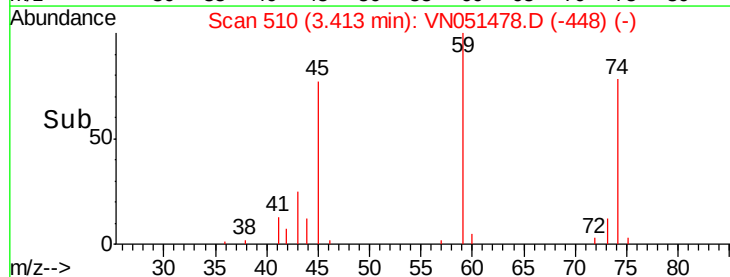
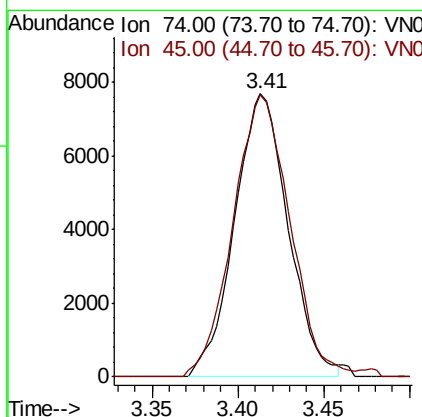
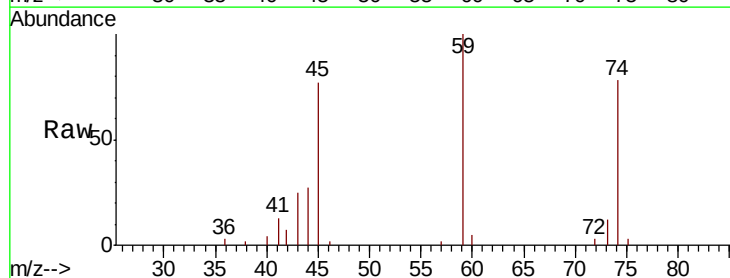
MMDadoda
10/1/2018 11:21:30 AM

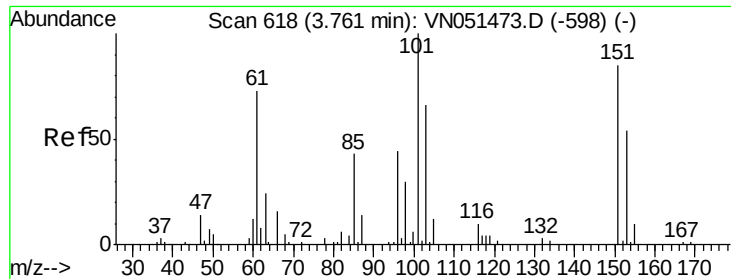


#8

Diethyl Ether
Concen: 6.254 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		16652		
45	105.8	20.7	186.5		





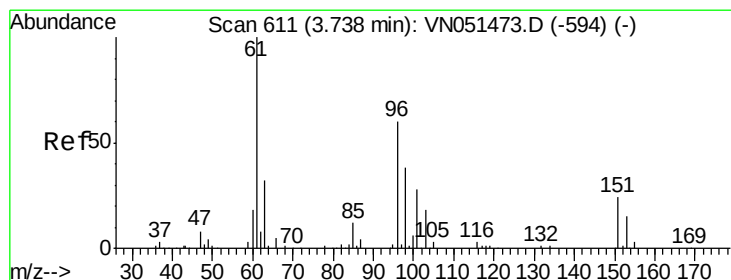
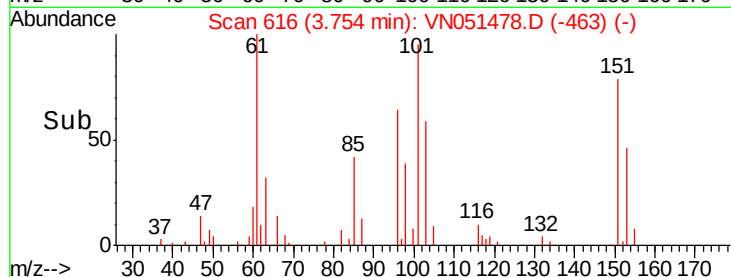
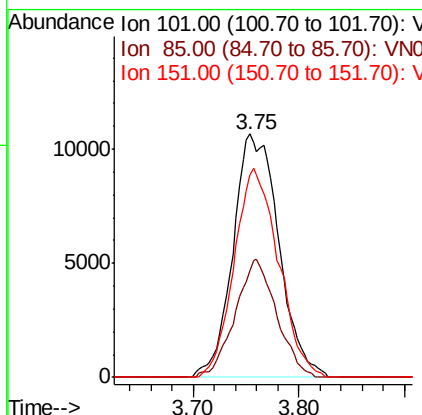
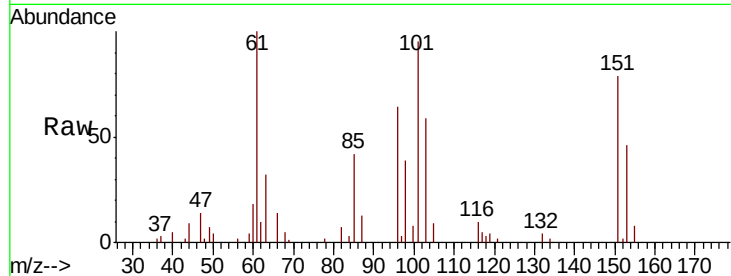
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.108 ug/l m
 RT: 3.75 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	43.5	0.0	46.0
151	83.2	0.0	82.2#

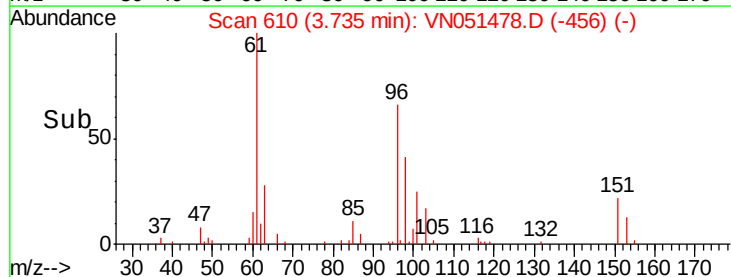
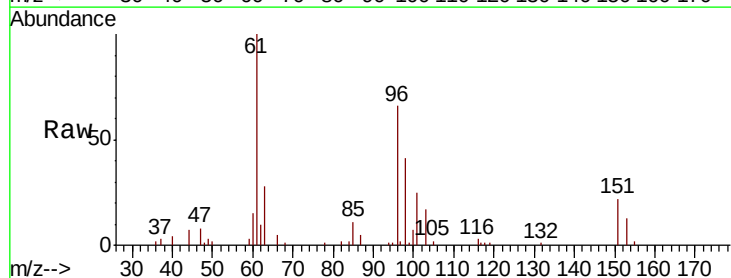
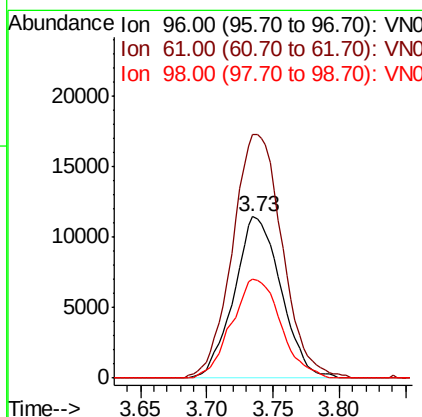
Manual Integrations
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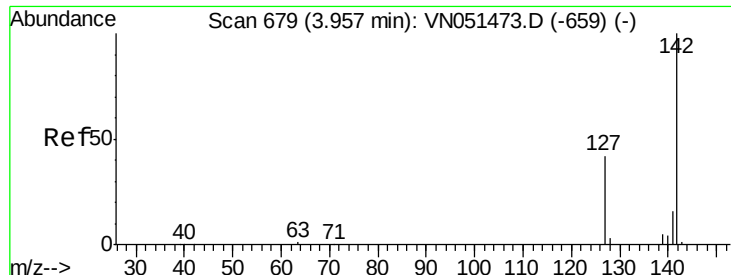
MMDadoda
 10/1/2018 11:21:30 AM



#10
 1,1-Dichloroethene
 Concen: 6.869 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	149.1	133.0	199.6
98	61.6	52.6	78.8





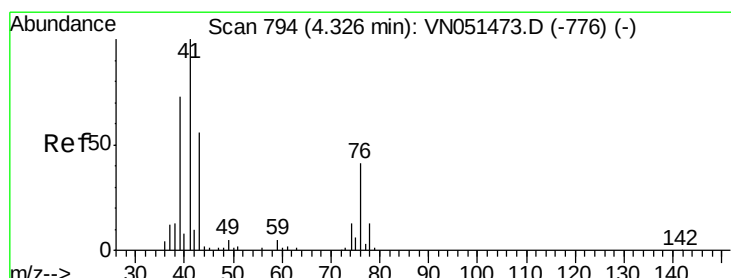
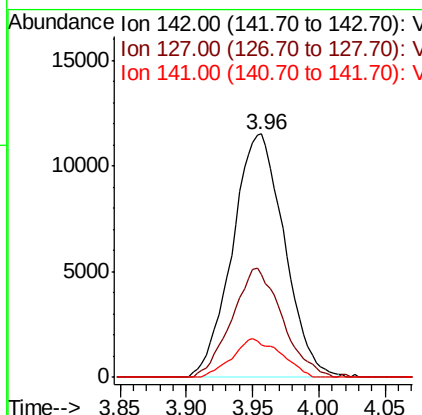
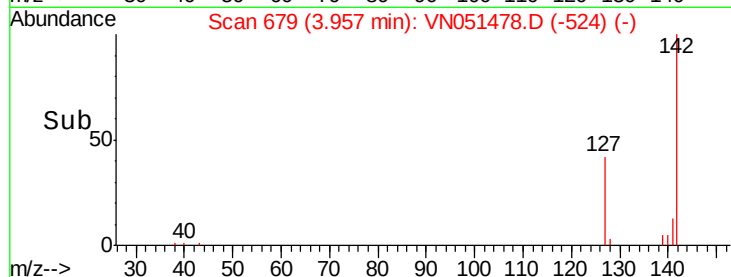
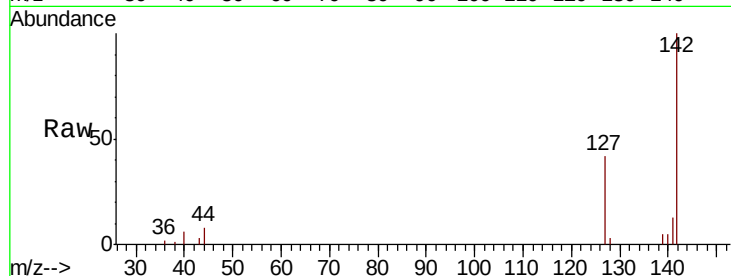
#11
Methyl Iodide
Concen: 5.200 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.4	19.7	59.0
141	12.7	6.3	18.9

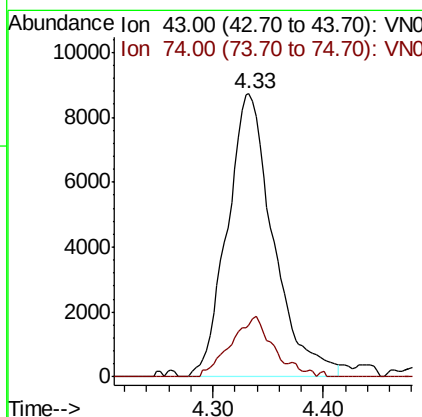
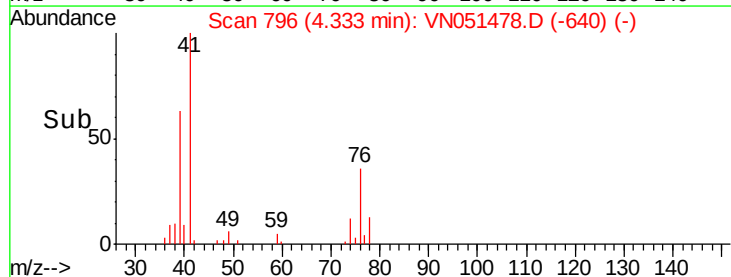
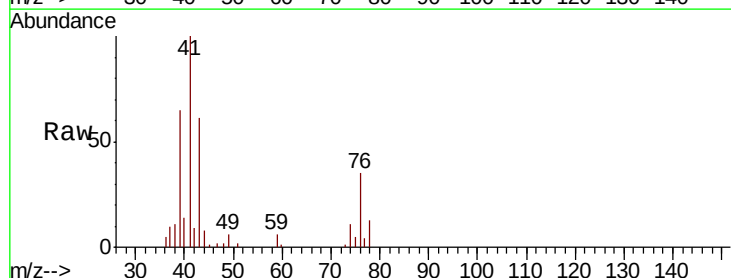
Manual Integrations
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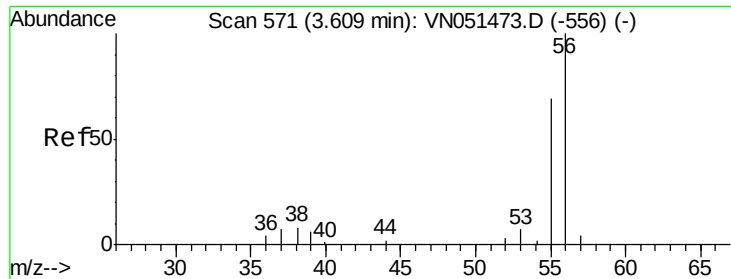
MMDadoda
10/1/2018 11:21:30 AM



#12
Methyl Acetate
Concen: 7.017 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.7	21.8	32.6#





#13

Acrolein

Concen: 28.720 ug/l

RT: 3.61 min Scan# 572

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 13789

Ion Ratio Lower Upper

56 100

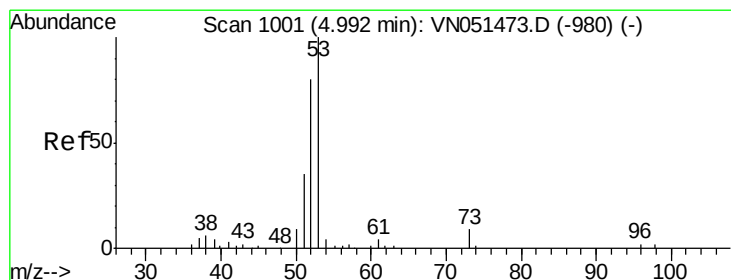
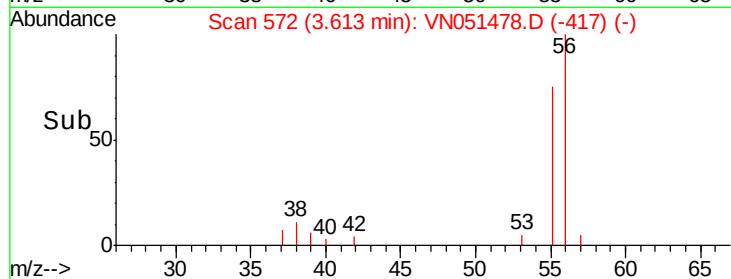
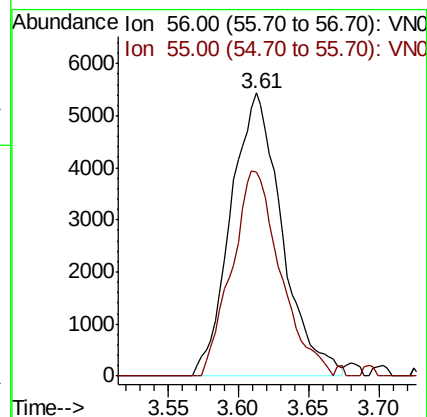
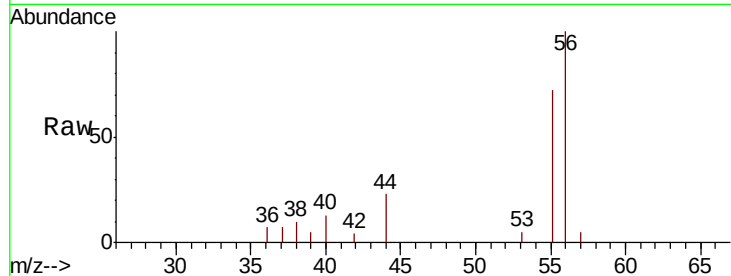
55 68.9 64.0 96.0

Manual Integrations

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#14

Acrylonitrile

Concen: 30.058 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

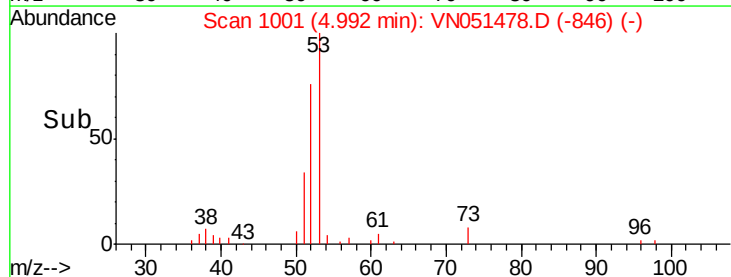
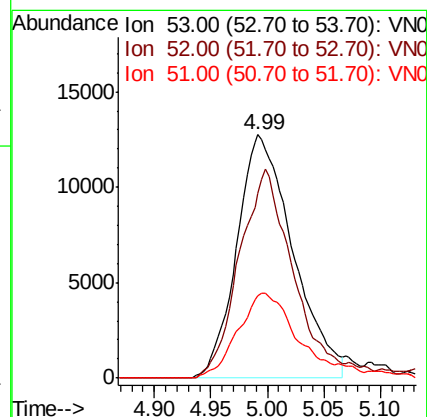
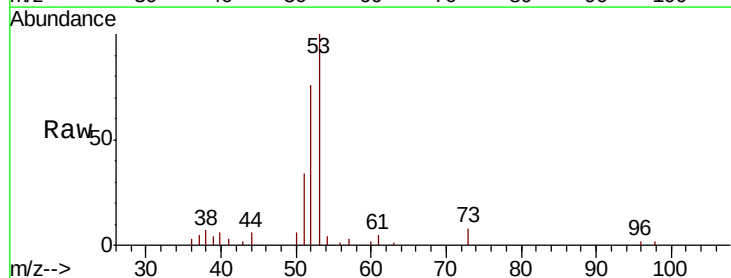
Tgt Ion: 53 Resp: 43962

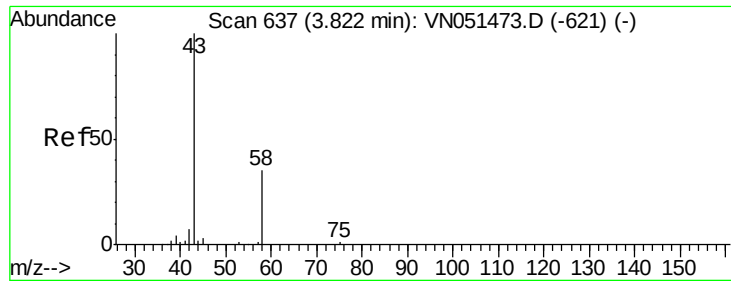
Ion Ratio Lower Upper

53 100

52 80.9 18.3 54.8#

51 35.7 19.7 59.1





#15

Acetone

Concen: 36.028 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.01 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 12978

Ion Ratio Lower Upper

58 100

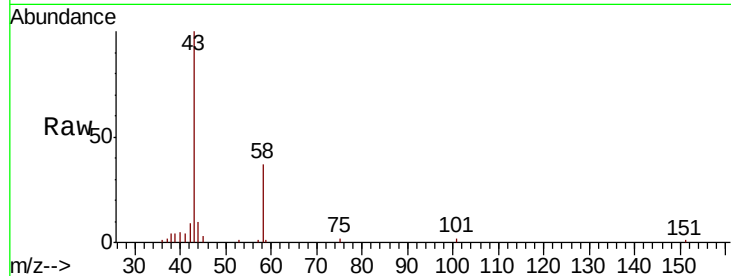
43 260.4 232.2 348.2

Manual Integrations

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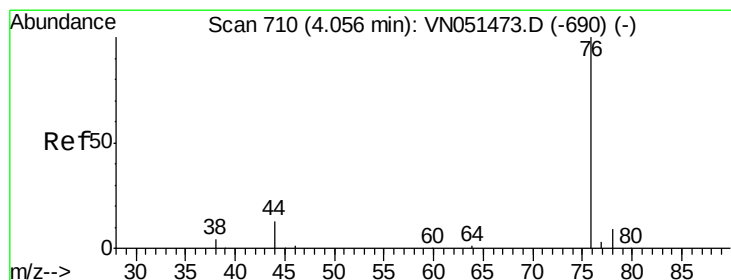
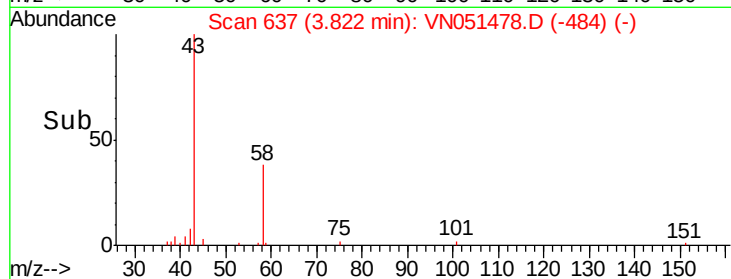
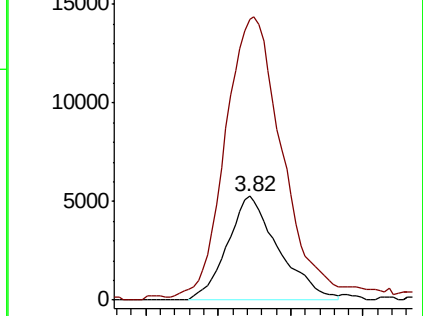
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 7.311 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN051478.D

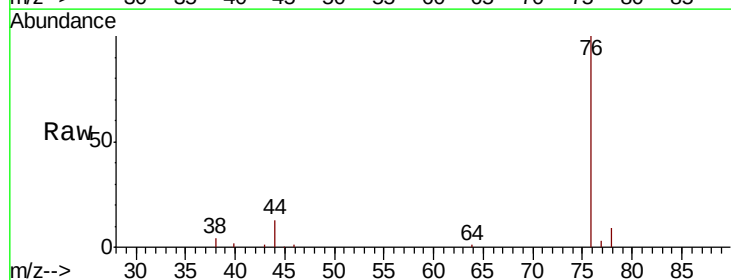
Acq: 25 Sep 2018 11:38

Tgt Ion: 76 Resp: 94994

Ion Ratio Lower Upper

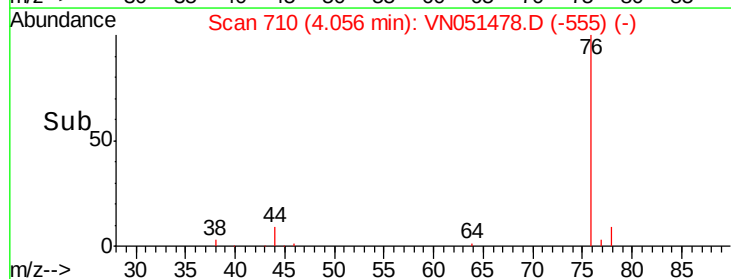
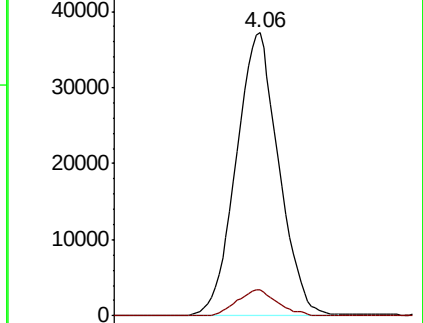
76 100

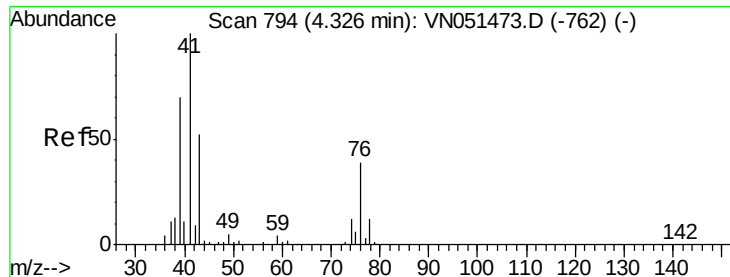
78 9.2 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 6.390 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

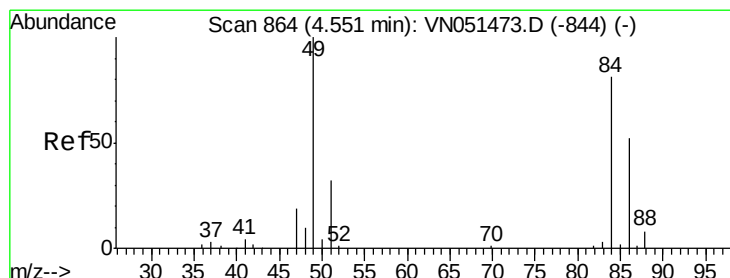
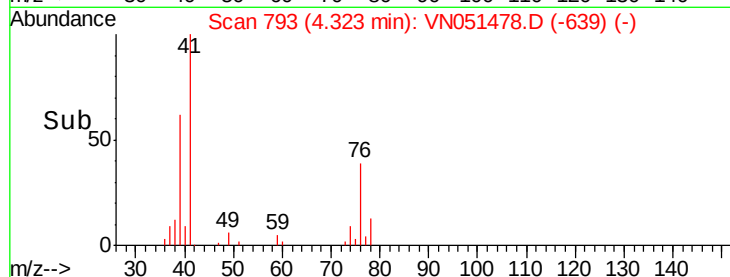
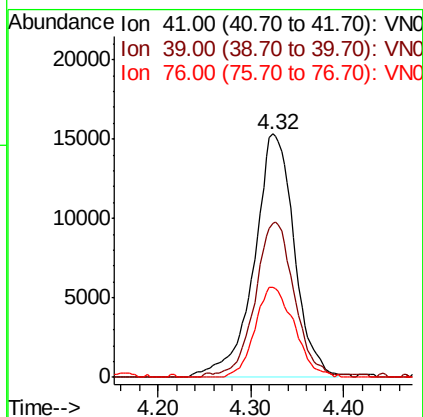
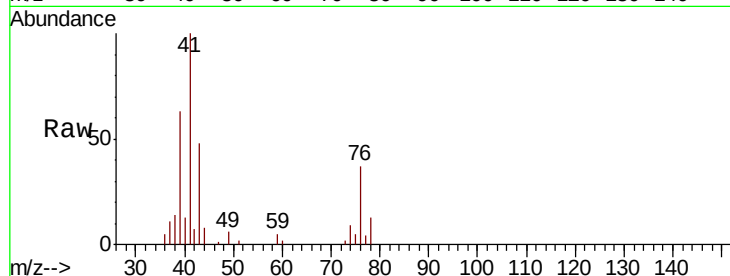
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	46208
Ion	Ratio	Lower	Upper
41	100		
39	63.2	32.6	97.8
76	37.2	20.2	60.5

Manual Integrations
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#18

Methylene Chloride

Concen: 6.903 ug/l

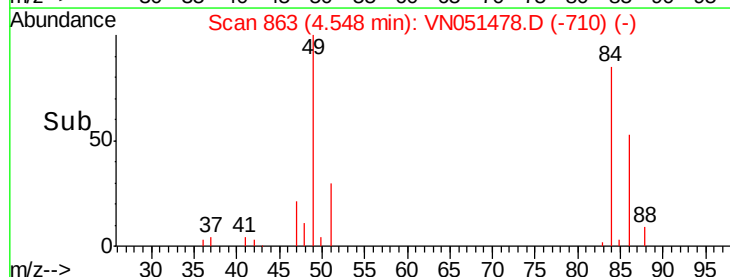
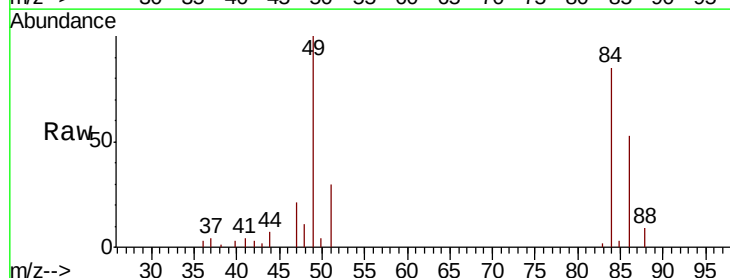
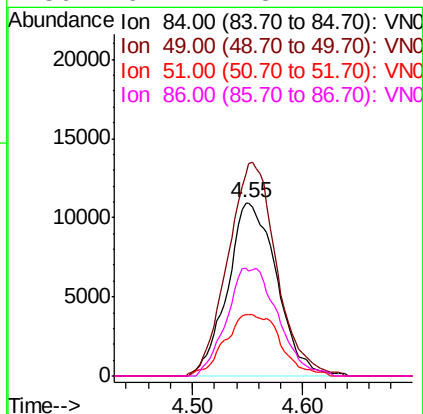
RT: 4.55 min Scan# 863

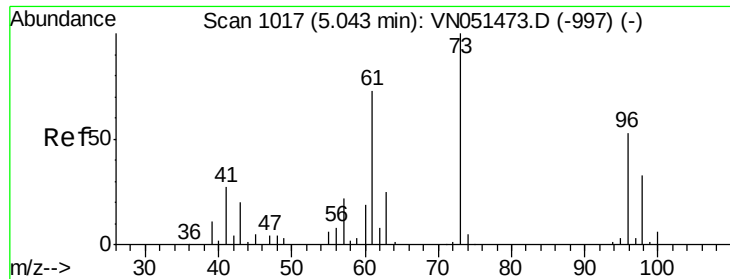
Delta R.T. -0.01 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Tgt Ion:	84	Resp:	33771
Ion	Ratio	Lower	Upper
84	100		
49	115.6	91.6	137.4
51	35.3	29.8	44.6
86	62.1	48.2	72.4





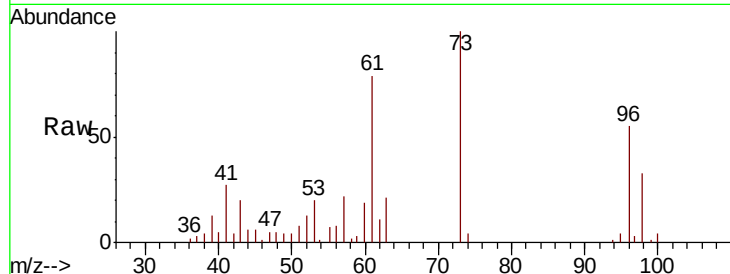
#19
trans-1,2-Dichloroethene
Concen: 6.560 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	112.3	168.5
98	59.3	47.1	70.7

Manual Integrations
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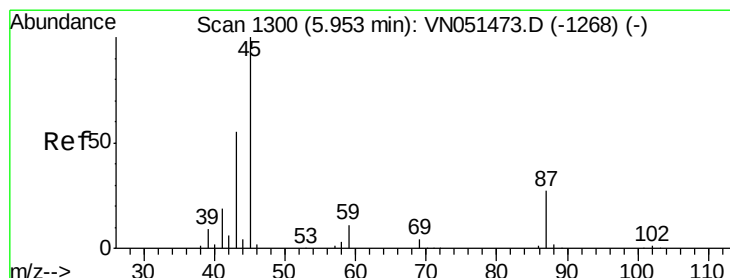
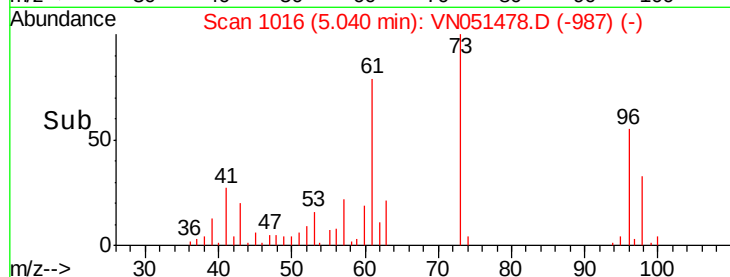
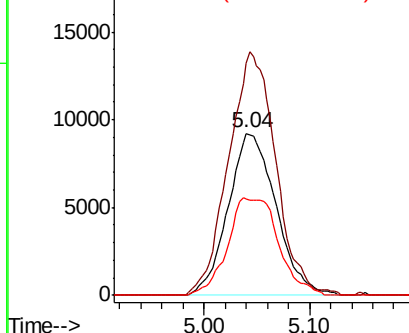


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 5.955 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.8	62.1	93.1
87	23.9	19.9	29.9
59	11.0	9.8	14.6

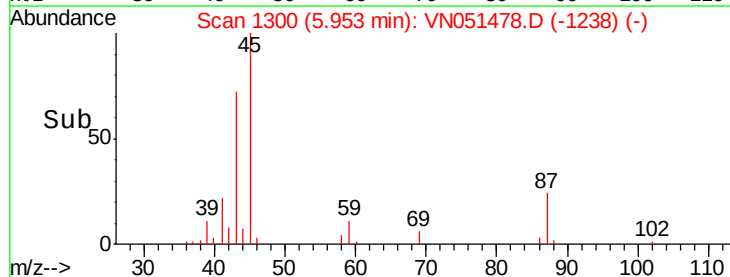
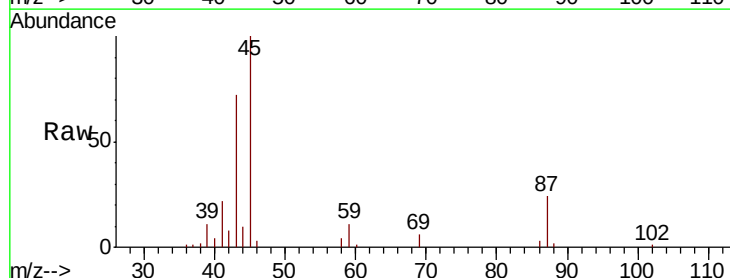
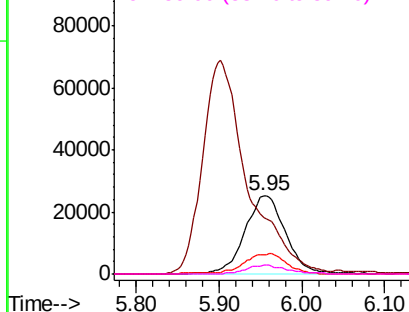
Abundance

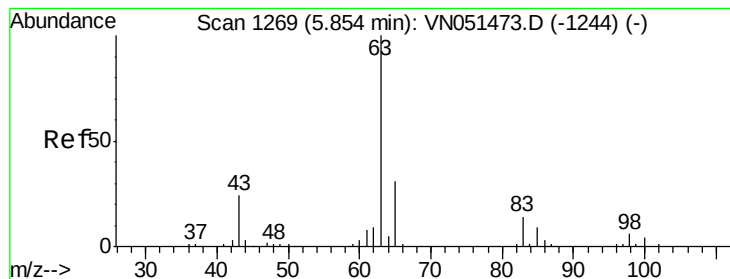
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 6.705 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

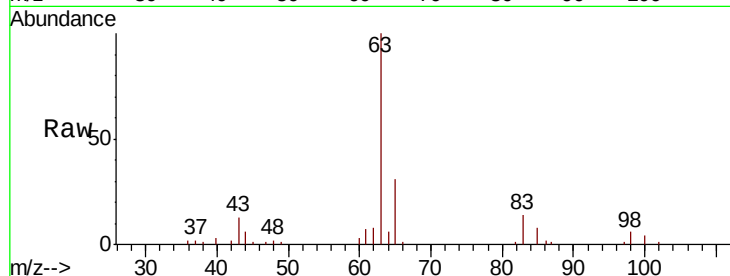
ClientSampled :

VSTDIC005

Tot Ion:	63	Resp:	57997
Ion Ratio	Lower	Upper	
63	100		
98	5.9	4.1	12.3
100	3.6	1.6	4.7

Manual Integrations
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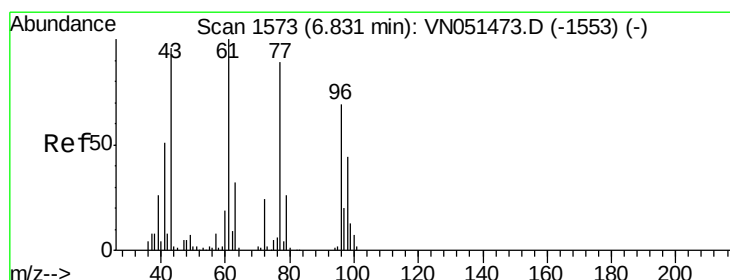
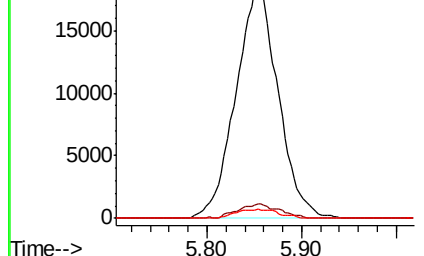
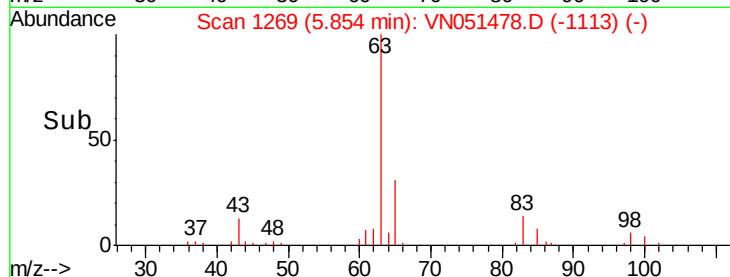


Abundance Ion 63.00 (62.70 to 63.70): VN051478.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051478.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051478.D (-1244) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 6.424 ug/l

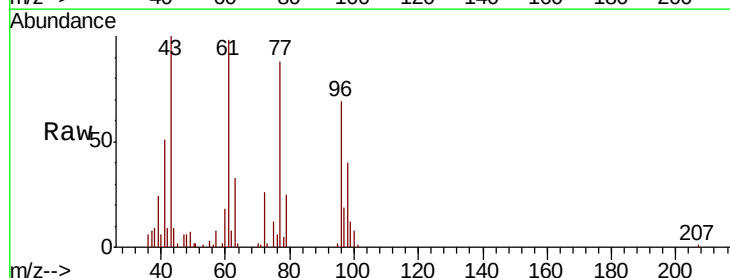
RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Tgt Ion:	96	Resp:	31876
Ion Ratio	Lower	Upper	
96	100		
61	148.3	124.5	186.7
98	62.6	51.9	77.9

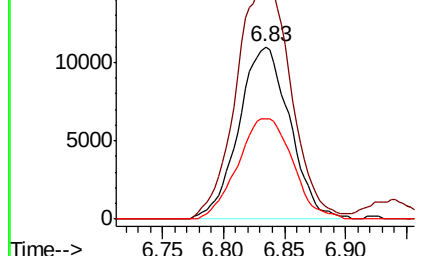
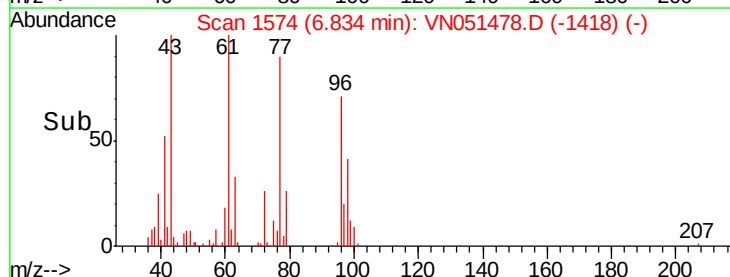


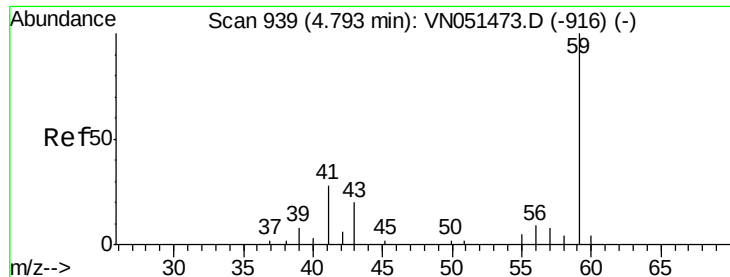
Abundance Ion 96.00 (95.70 to 96.70): VN051478.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN051478.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN051478.D (-1553) (-)

Time-->





#23

tert-Butyl Alcohol

Concen: 32.459 ug/l m

RT: 4.80 min Scan# 940

Delta R.T. 0.01 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 59 Resp: 8940

Ion Ratio Lower Upper

59 100

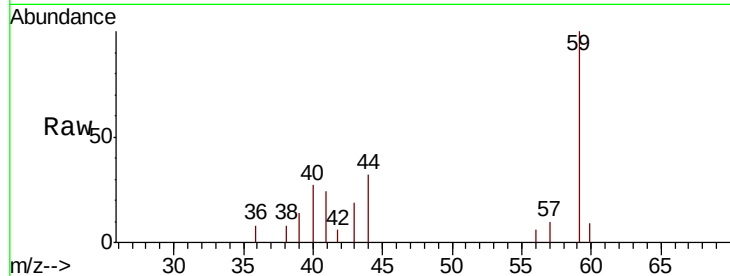
52 0.0 0.0 0.0

Manual Integrations

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Abundance Ion 59.00 (58.70 to 59.70): VN051478.D (-916) (-)

Ion 52.00 (51.70 to 52.70): VN051478.D (-916) (-)

3000

2500

2000

1500

1000

500

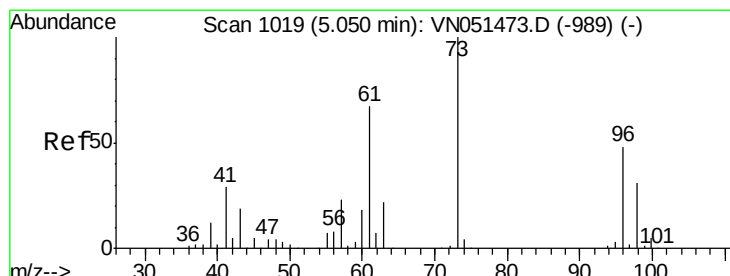
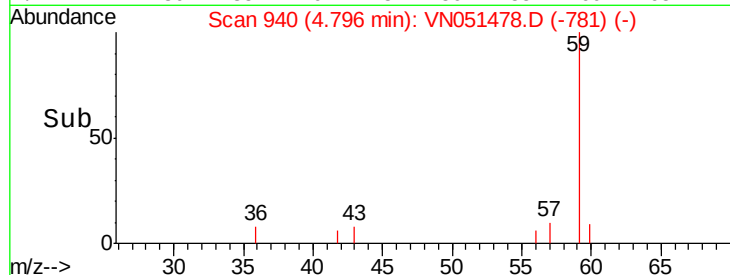
0

4.70

4.80

4.90

Time-->



#24

Methyl tert-Butyl Ether

Concen: 6.166 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051478.D

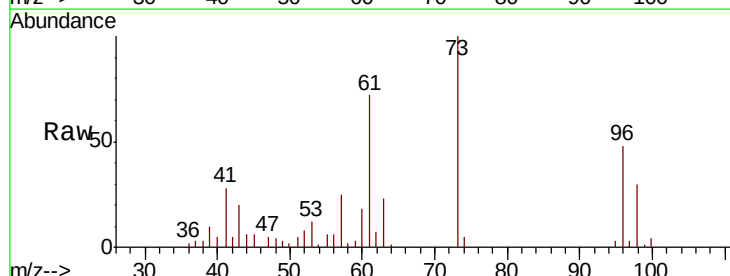
Acq: 25 Sep 2018 11:38

Tgt Ion: 73 Resp: 68793

Ion Ratio Lower Upper

73 100

43 7.5 5.4 8.0



Abundance Ion 73.00 (72.70 to 73.70): VN051478.D (-989) (-)

Ion 43.00 (42.70 to 43.70): VN051478.D (-989) (-)

20000

15000

10000

5000

0

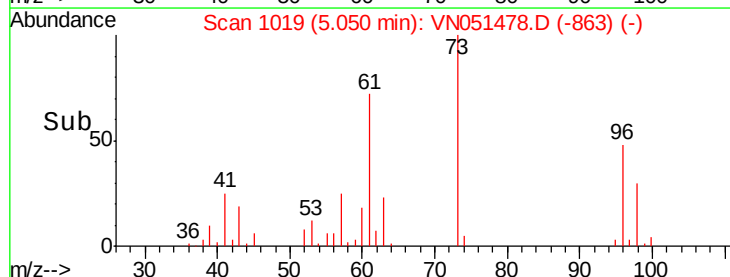
4.90

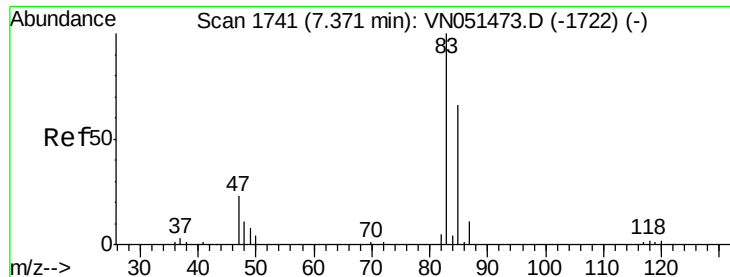
5.00

5.10

5.20

Time-->





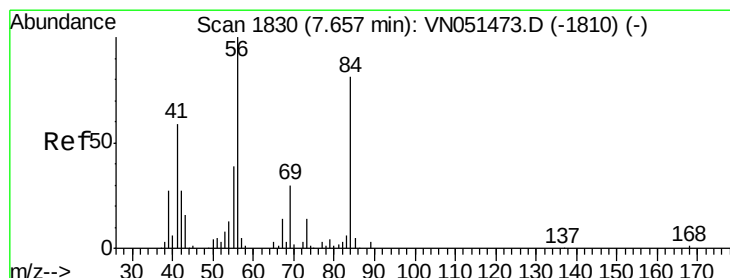
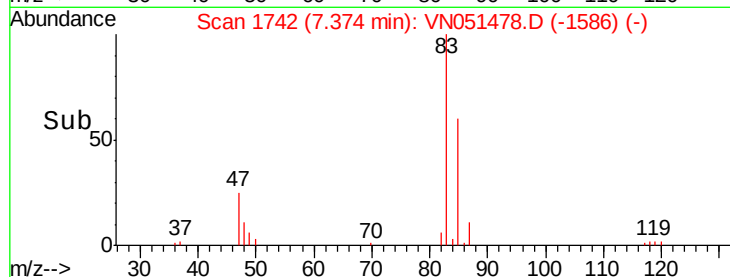
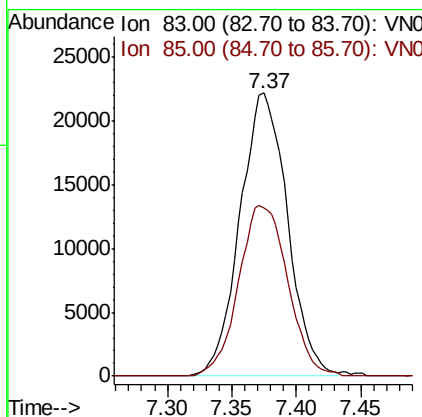
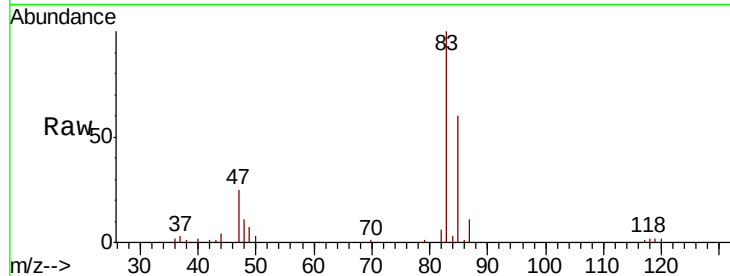
#25
Chloroform
Concen: 6.594 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	83	Resp	56883
Ion Ratio	100	Lower	Upper
83	100		
85	59.6	54.6	82.0

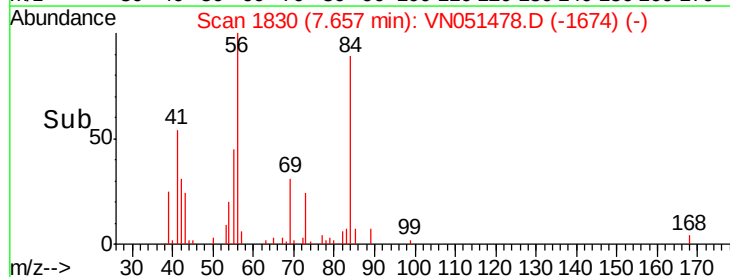
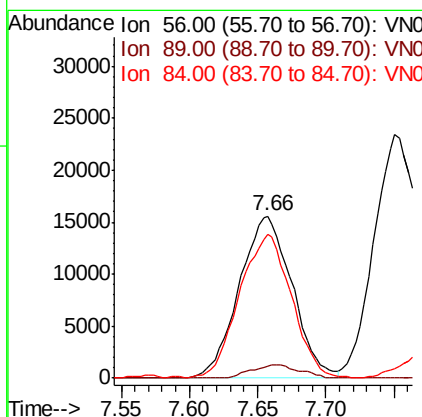
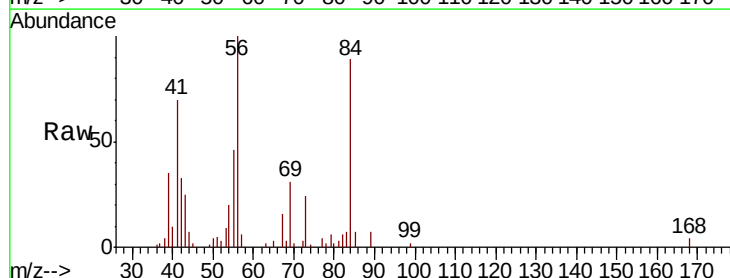
Manual Integrations
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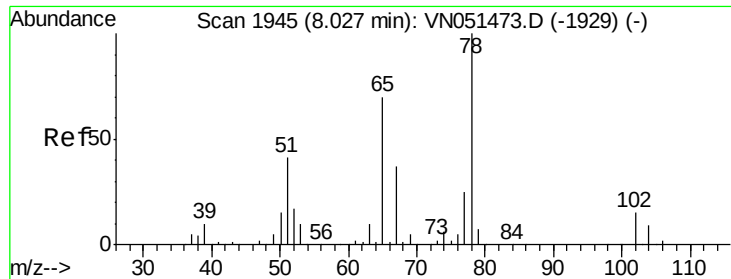
MMDadoda
10/1/2018 11:21:30 AM



#26
Cyclohexane
Concen: 5.688 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	56	Resp	41882
Ion Ratio	100	Lower	Upper
56	100		
89	7.4	1.5	2.3#
84	87.0	64.2	96.4





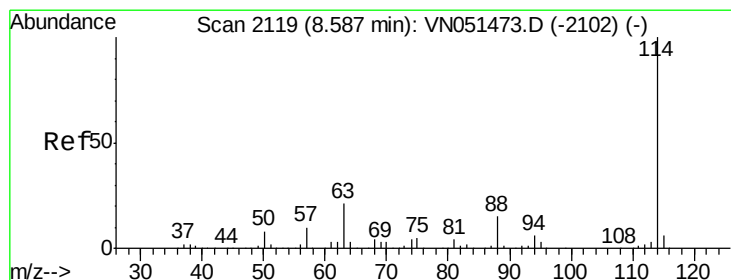
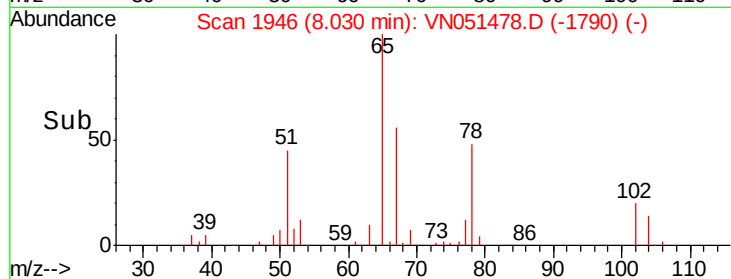
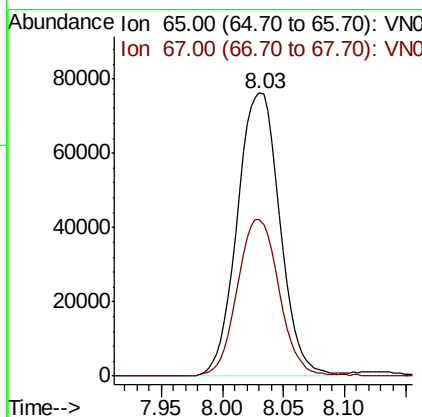
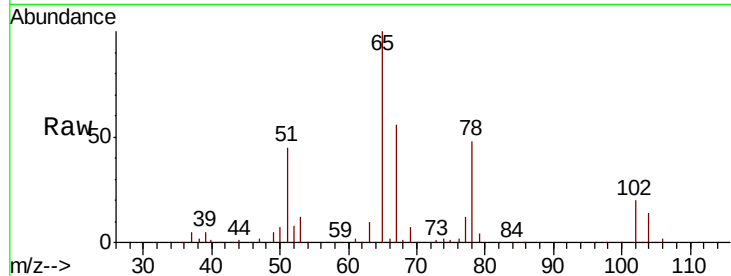
#27
 1,2-Dichloroethane-d4
 Concen: 30.912 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 184743
 Ion Ratio Lower Upper
 65 100
 67 54.3 41.8 62.8

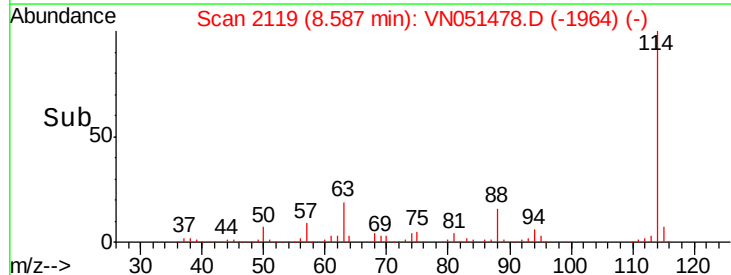
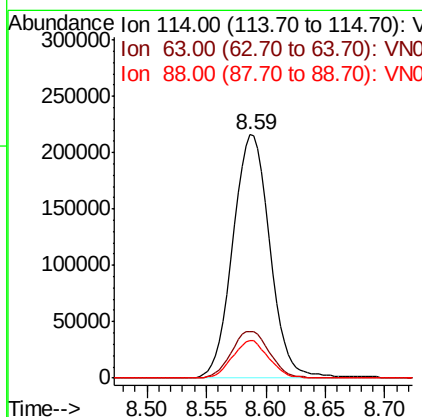
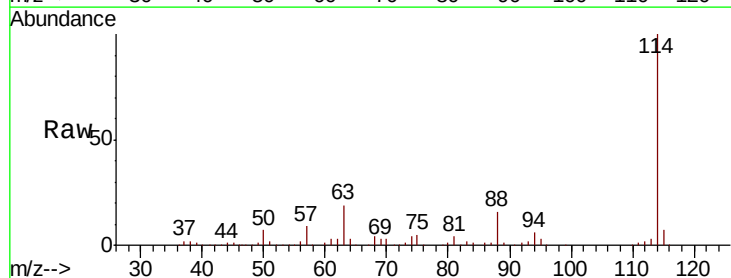
Manual Integrations
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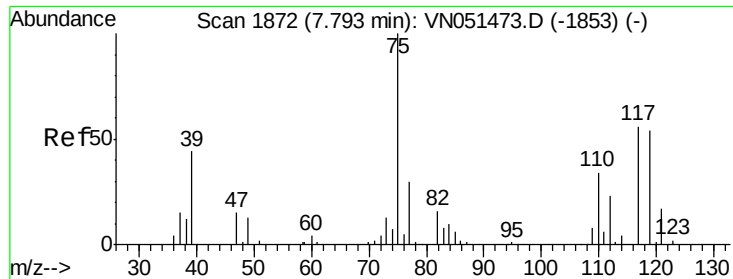
MMDadoda
 10/1/2018 11:21:30 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 114 Resp: 466598
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.2 24.2
 88 15.2 12.2 18.4





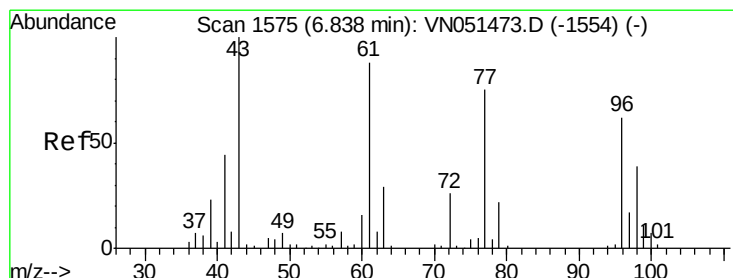
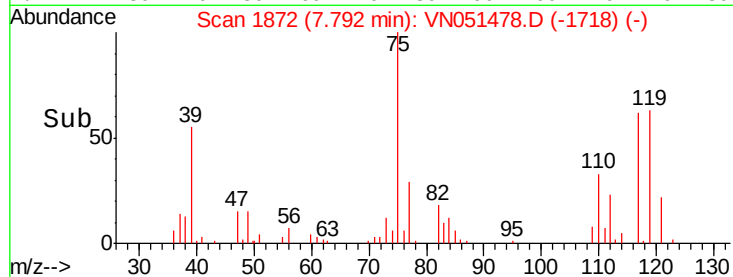
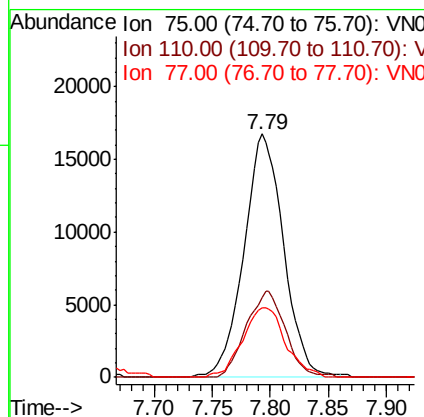
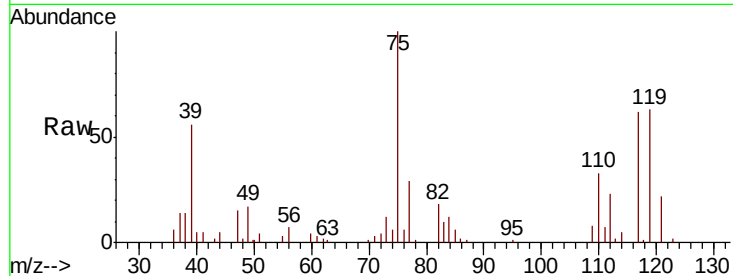
#29
 1,1-Dichloropropene
 Concen: 6.081 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.8	0.0	70.8
77	30.9	0.0	61.6

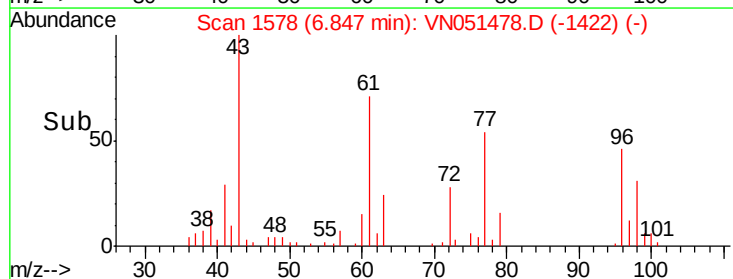
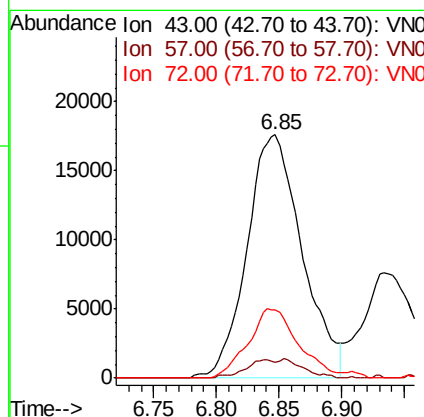
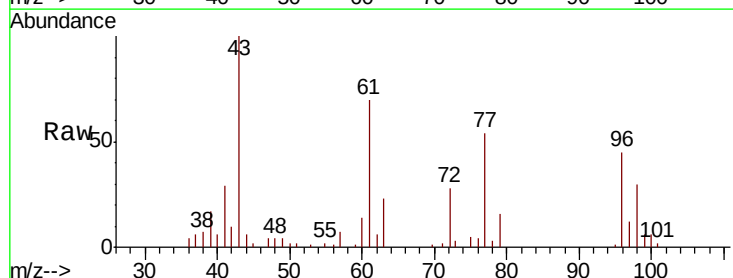
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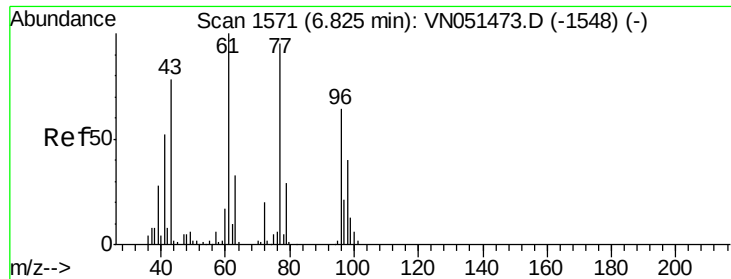
MMDadoda
 10/1/2018 11:21:30 AM



#30
 2-Butanone
 Concen: 31.807 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
57	2.5	4.5	6.7#
72	0.0	21.5	32.3#





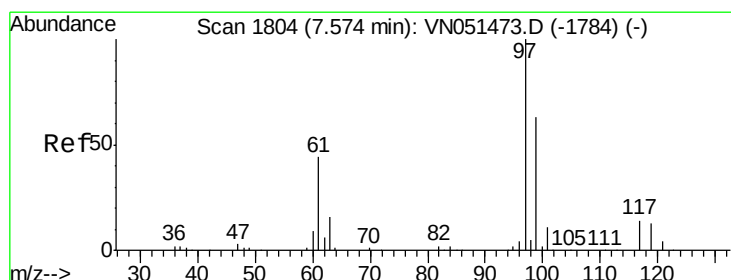
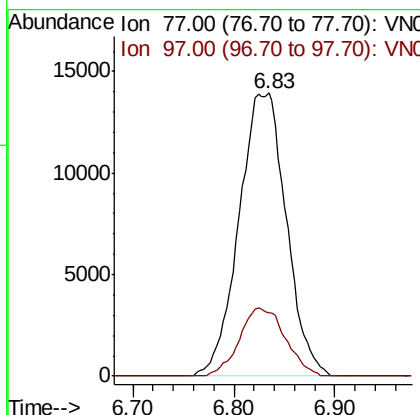
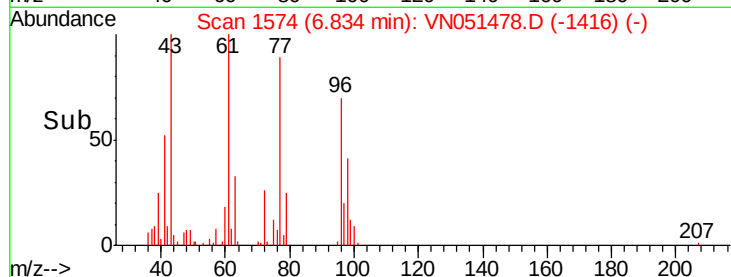
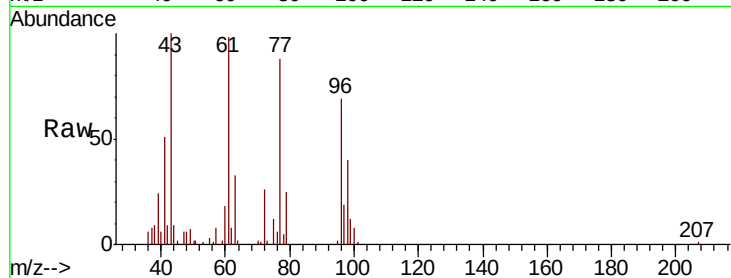
#31
 2,2-Dichloropropane
 Concen: 6.467 ug/l m
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 45322
 Ion Ratio Lower Upper
 77 100
 97 23.5 12.0 18.0#

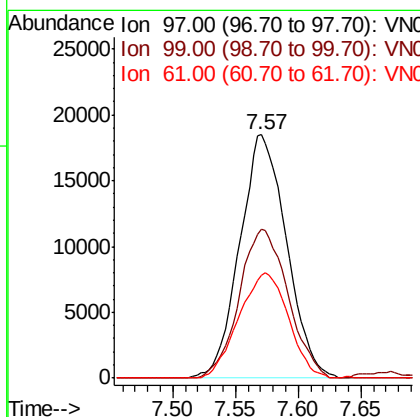
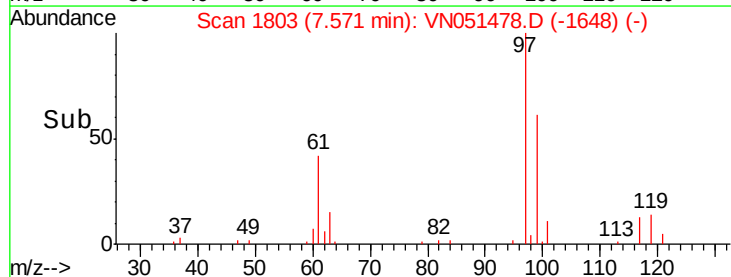
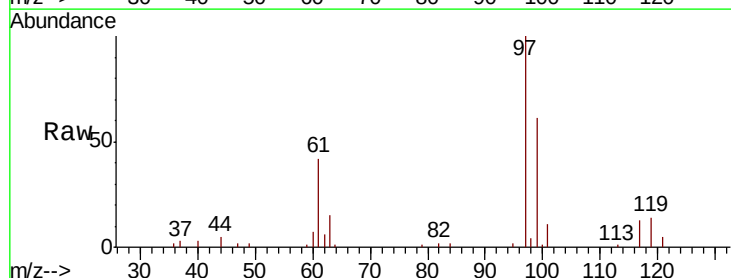
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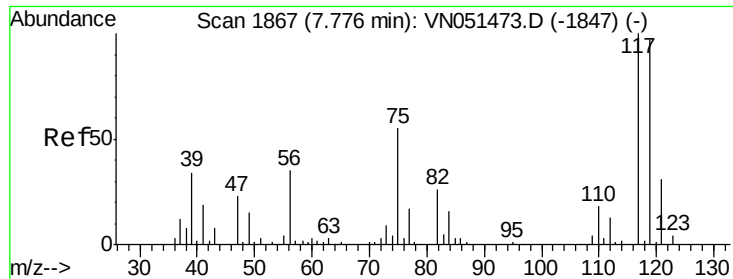
MMDadoda
 10/1/2018 11:21:30 AM



#32
 1,1,1-Trichloroethane
 Concen: 6.398 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 97 Resp: 47989
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.6 77.4
 61 45.7 37.4 56.0





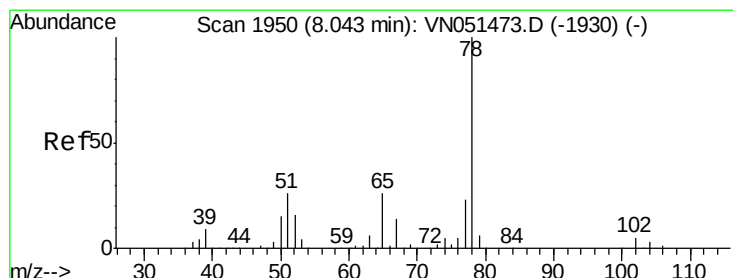
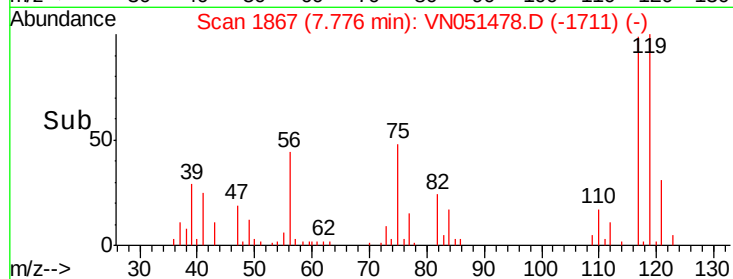
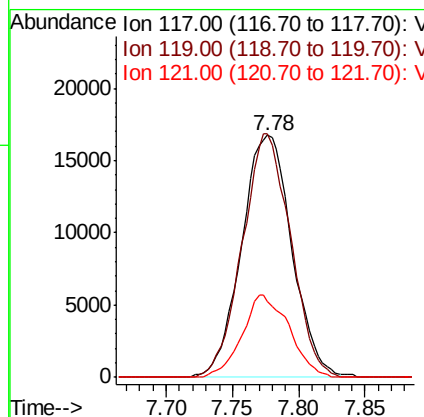
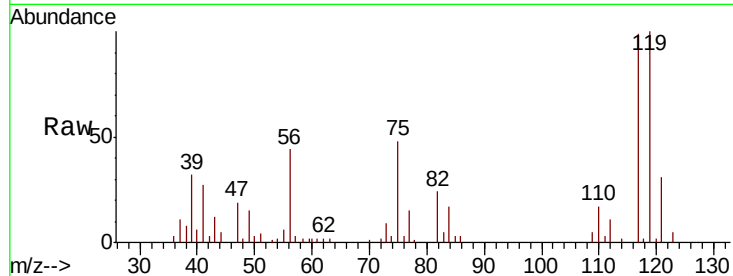
#33
Carbon Tetrachloride
Concen: 6.447 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.6	85.1	127.7
121	31.6	24.2	36.2

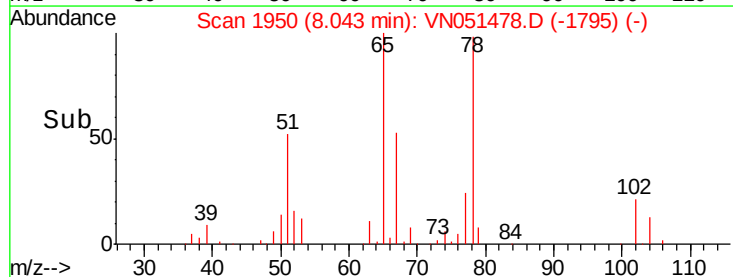
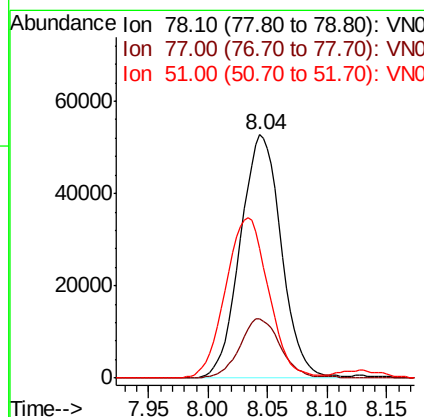
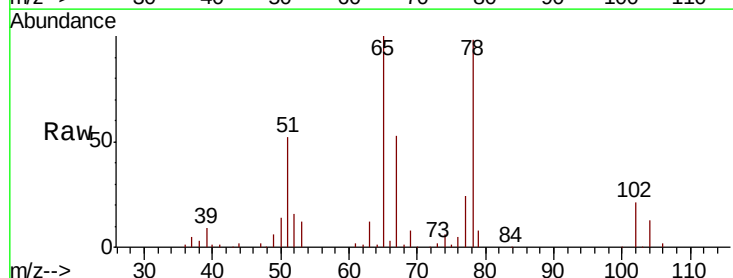
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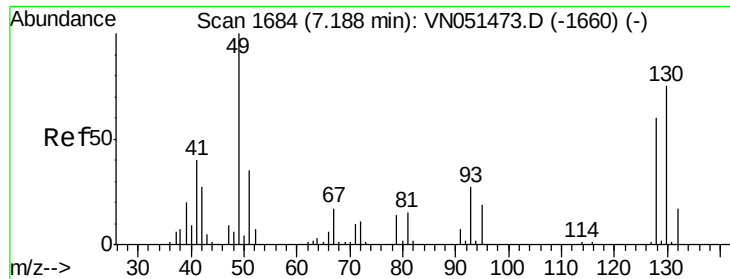
MMDadoda
10/1/2018 11:21:30 AM



#34
Benzene
Concen: 6.461 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2
51	52.3	46.2	69.4





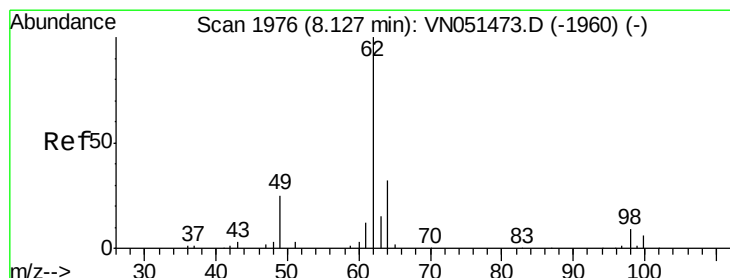
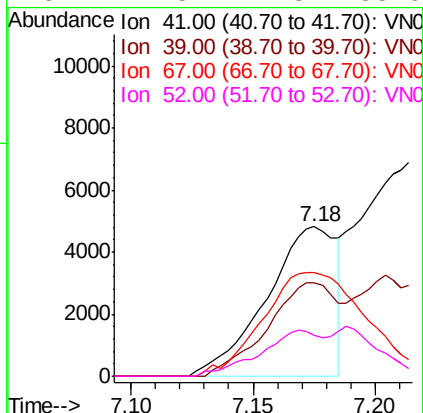
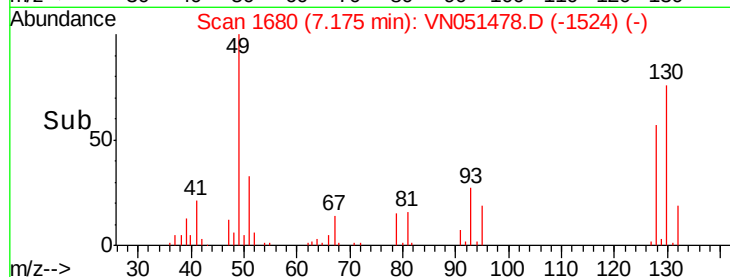
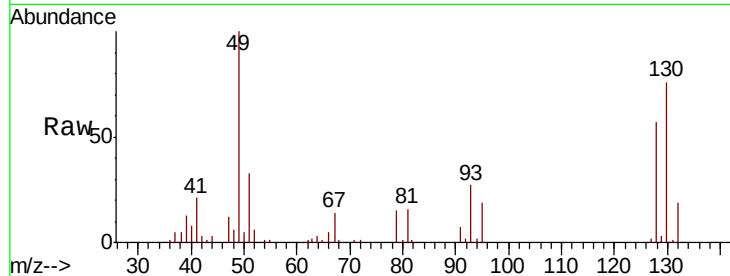
#35
Methacrylonitrile
Concen: 3.917 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.5	22.6	67.7	
67	69.1	28.9	86.8	
52	27.5	11.3	33.9	

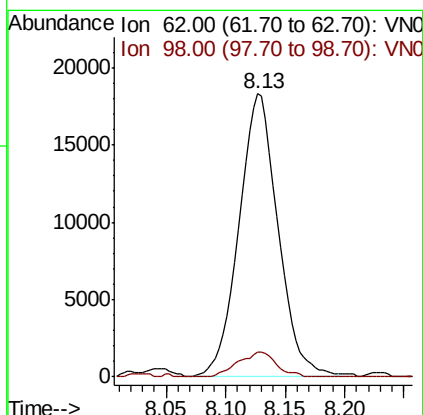
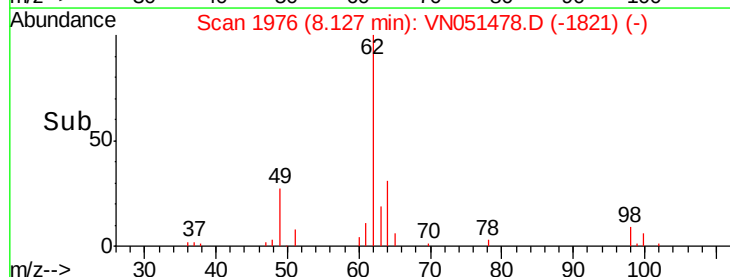
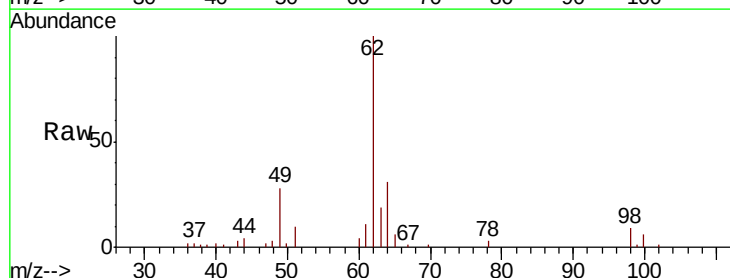
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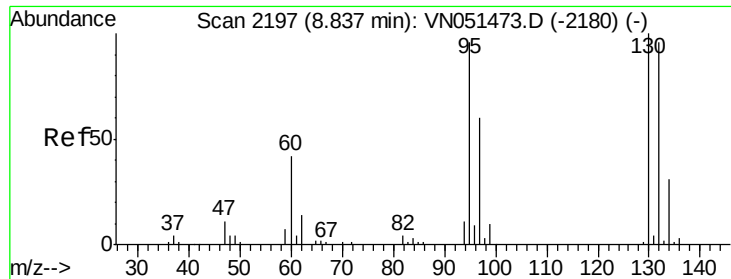
MMDadoda
10/1/2018 11:21:30 AM



#36
1,2-Dichloroethane
Concen: 6.580 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	6.9	10.3	





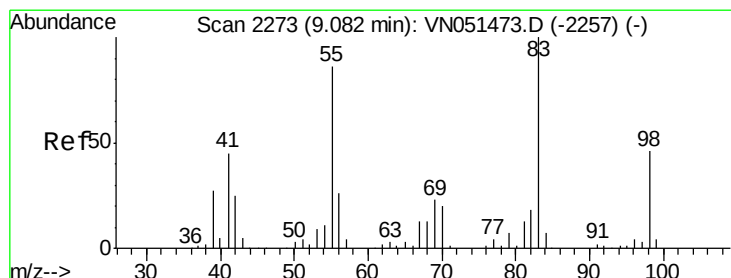
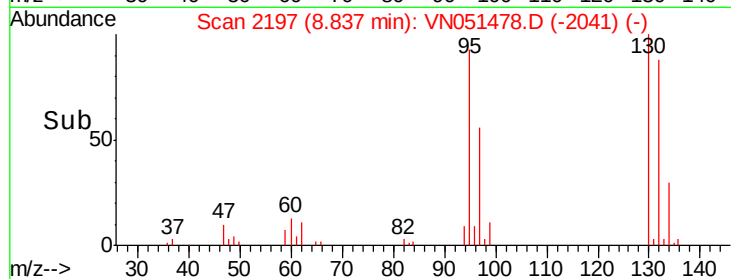
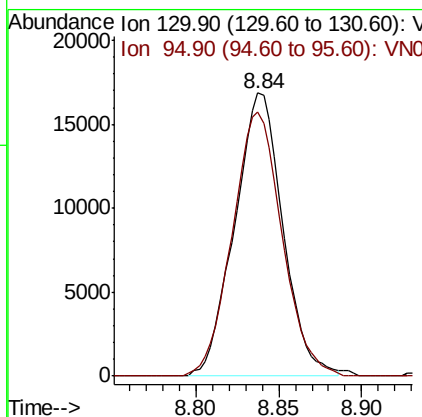
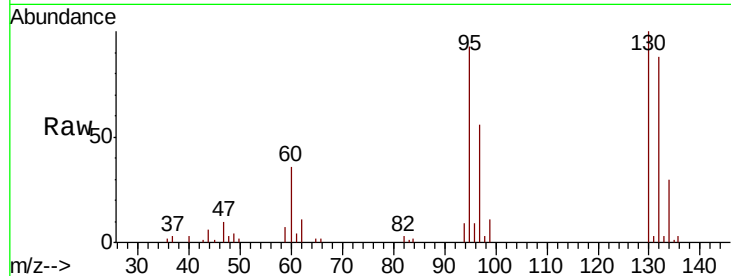
#37
 Trichloroethene
 Concen: 6.579 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 34012
 Ion Ratio Lower Upper
 130 100
 95 92.3 76.4 114.6

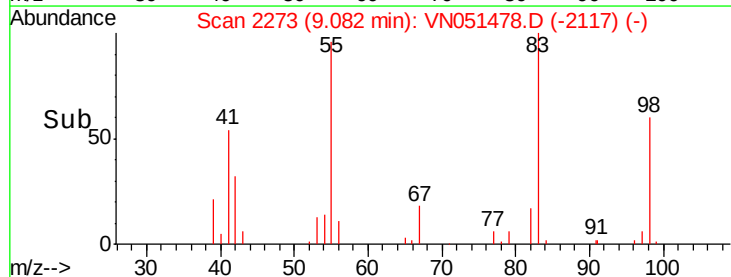
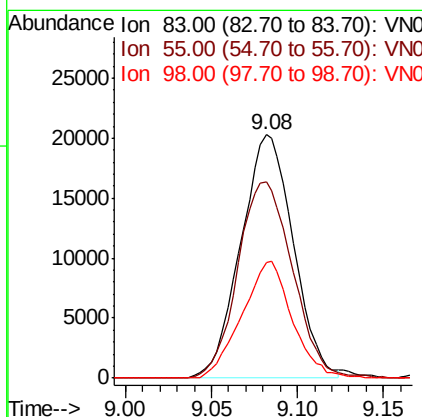
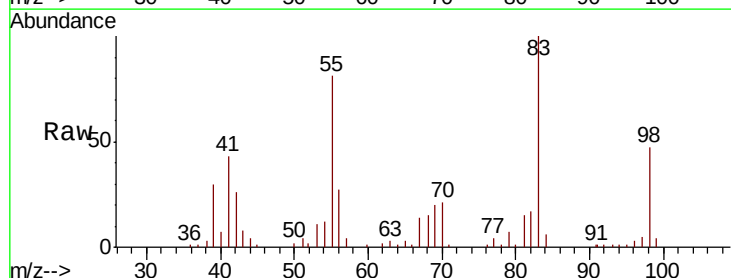
Manual Integrations
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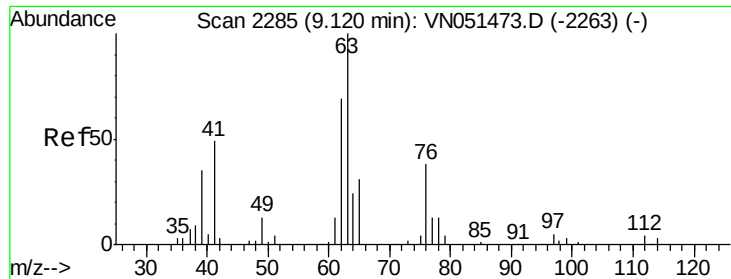
MMDadoda
 10/1/2018 11:21:30 AM



#38
 Methylcyclohexane
 Concen: 5.641 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 83 Resp: 42959
 Ion Ratio Lower Upper
 83 100
 55 84.2 43.0 129.2
 98 45.9 21.3 63.7





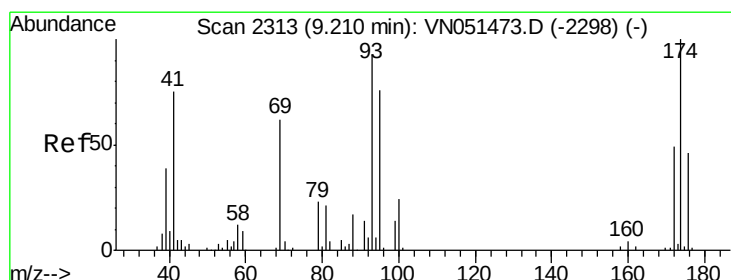
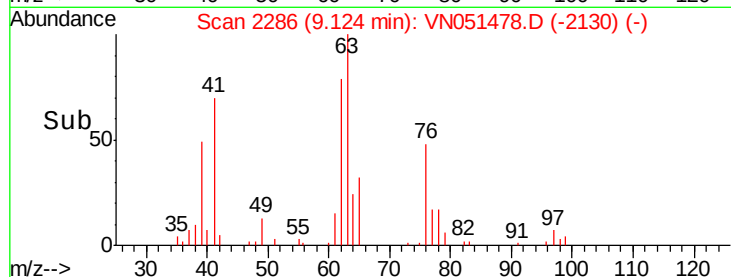
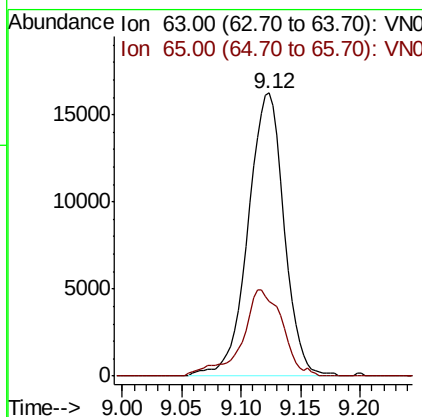
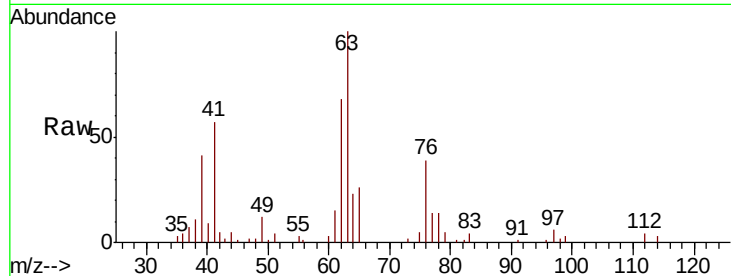
#39
 1,2-Dichloropropane
 Concen: 6.434 ug/l
 RT: 9.12 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.4	23.2	34.8

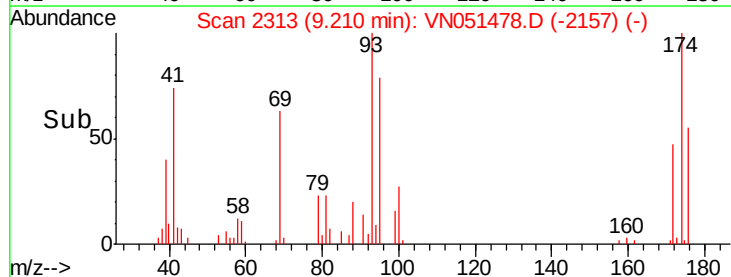
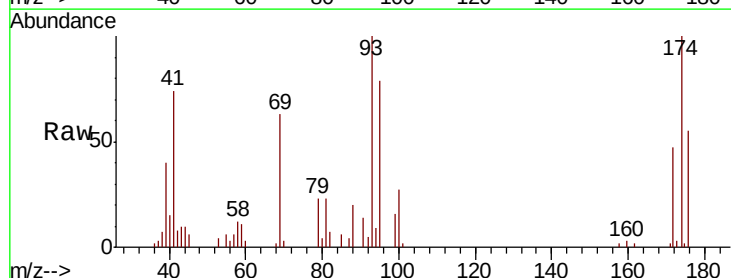
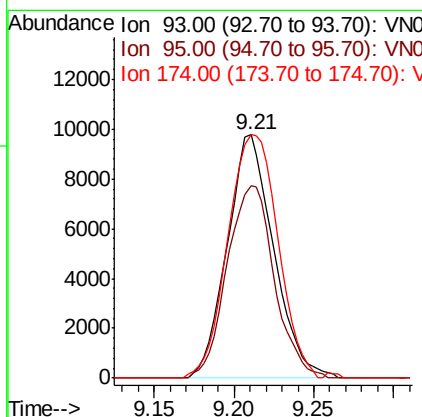
Manual Integrations
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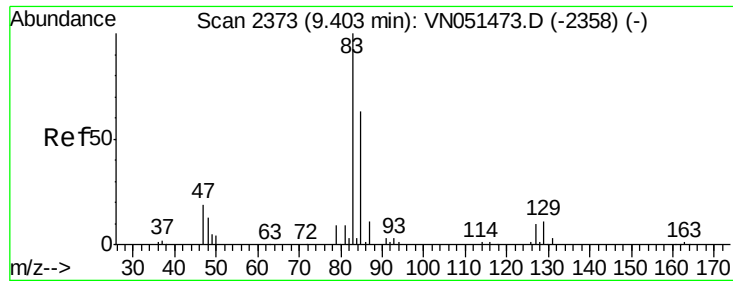
MMDadoda
 10/1/2018 11:21:30 AM



#40
 Dibromomethane
 Concen: 6.416 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.1	0.0	162.0
174	108.4	0.0	214.0





#41

Bromodichloromethane

Concen: 6.259 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

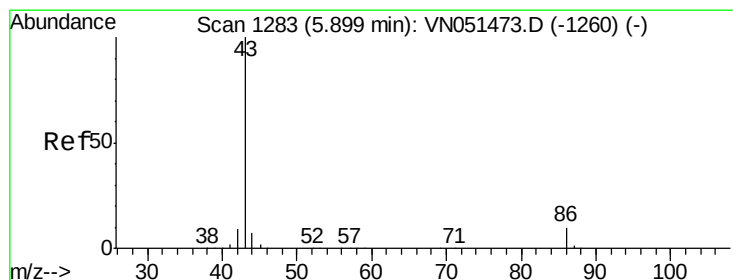
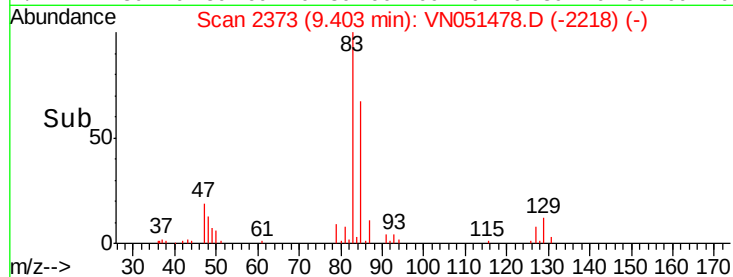
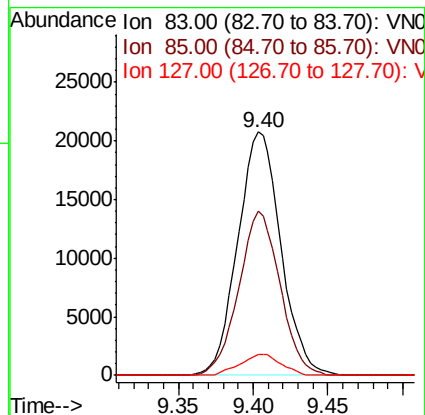
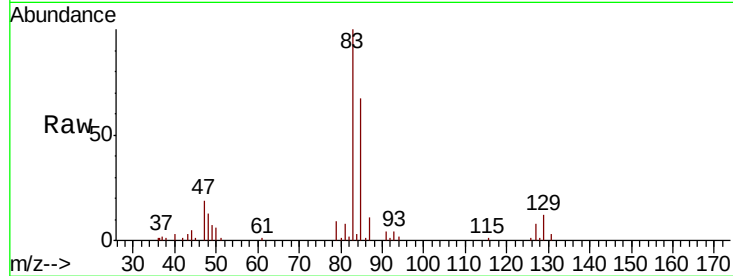
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	41556
Ion	Ratio	Lower	Upper
83	100		
85	67.5	55.7	83.5
127	8.4	8.2	12.4

Manual Integrations
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10/1/2018 11:21:30 AM



#42

Vinyl Acetate

Concen: 27.567 ug/l

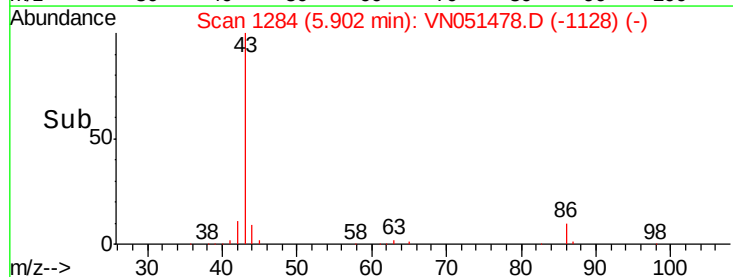
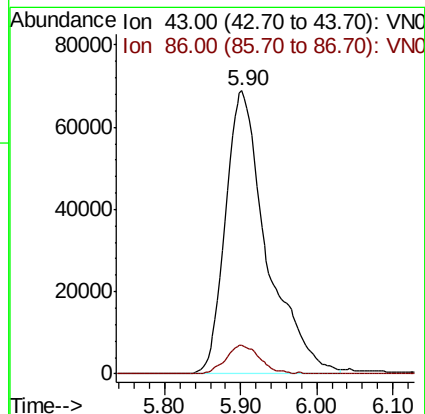
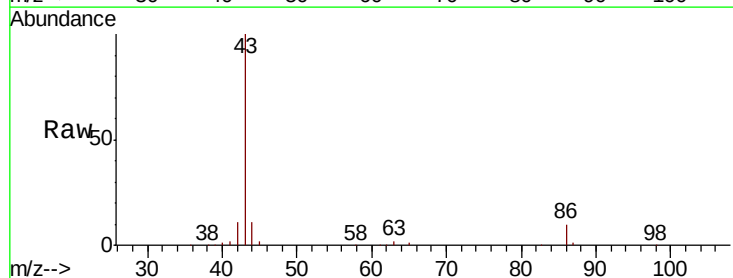
RT: 5.90 min Scan# 1284

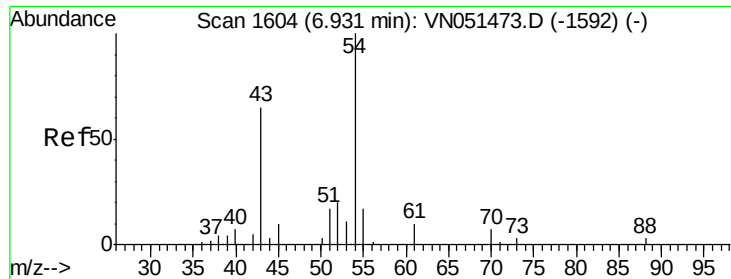
Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Tgt Ion:	43	Resp:	260131
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.5	9.7





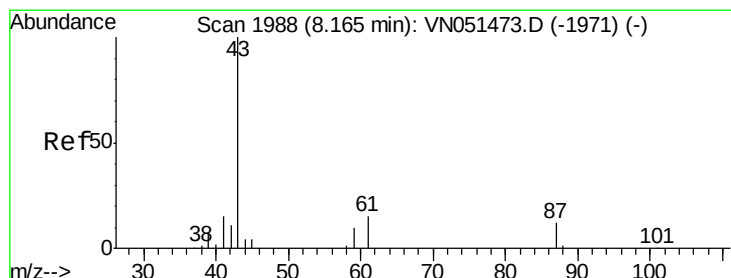
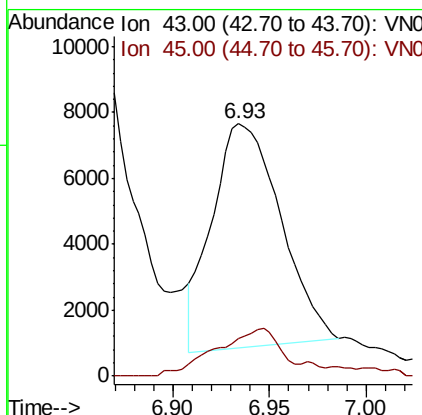
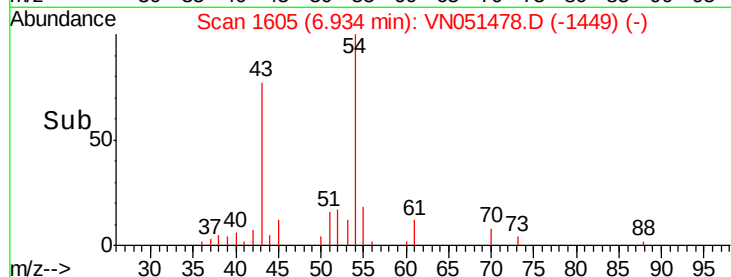
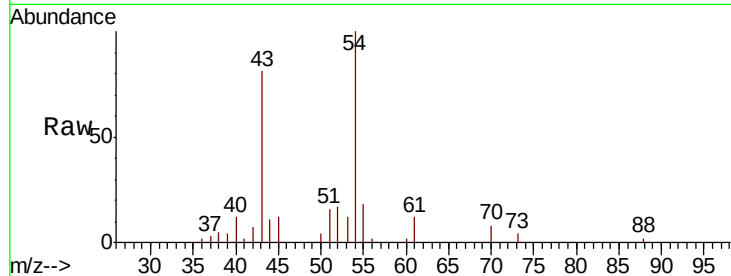
#43
Ethyl Acetate
Concen: 4.730 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 16703
Ion Ratio Lower Upper
43 100
45 17.1 11.0 16.6#

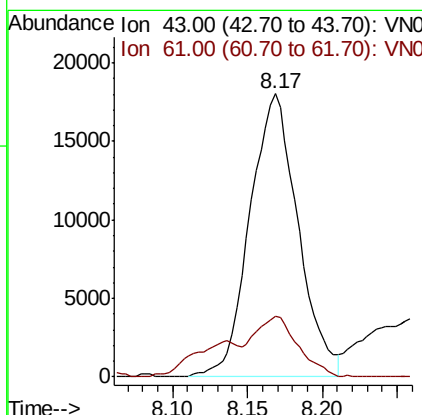
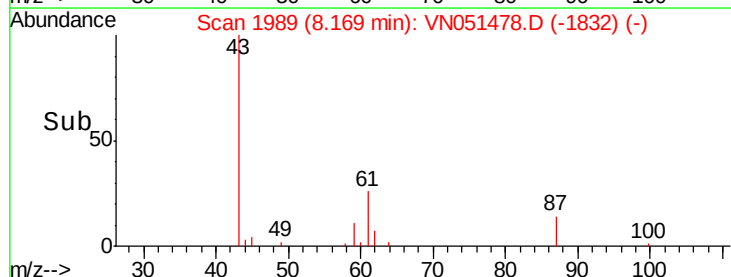
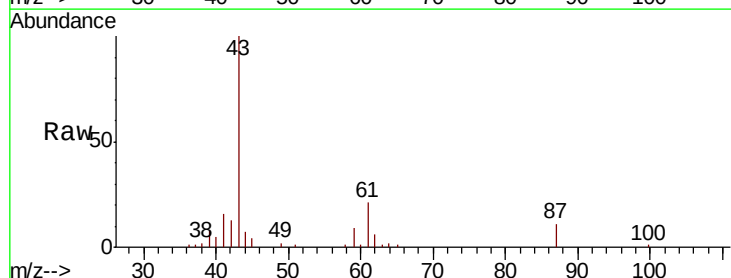
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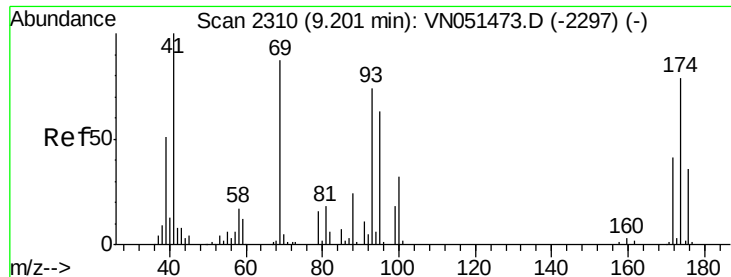
MMDadoda
10/1/2018 11:21:30 AM



#44
Isopropyl Acetate
Concen: 5.947 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion: 43 Resp: 40388
Ion Ratio Lower Upper
43 100
61 19.6 15.9 23.9





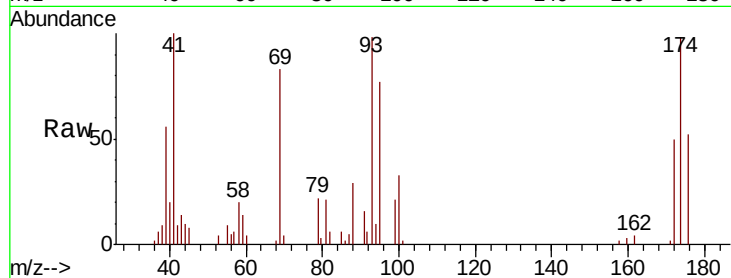
#45
 1,4-Dioxane
 Concen: 113.905 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

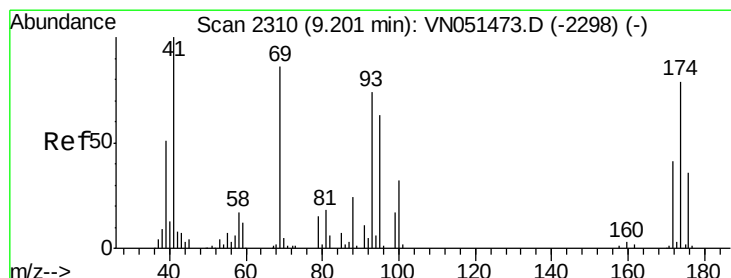
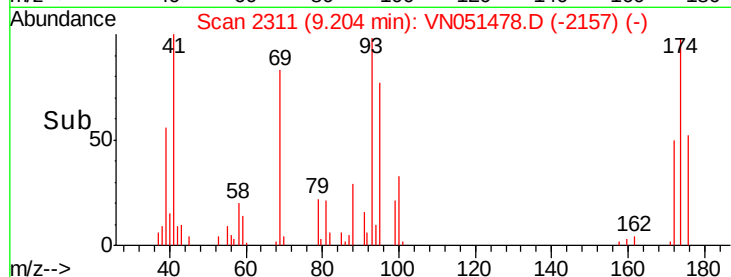
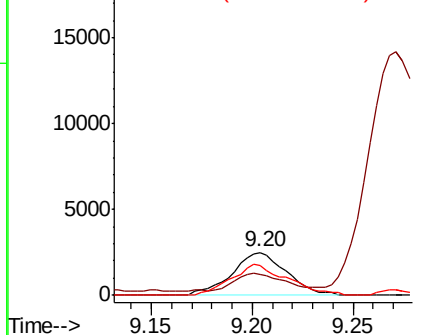
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	26.2	39.2
58	74.6	65.6	98.4

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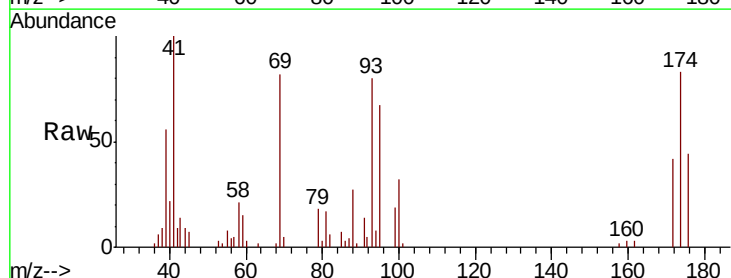


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

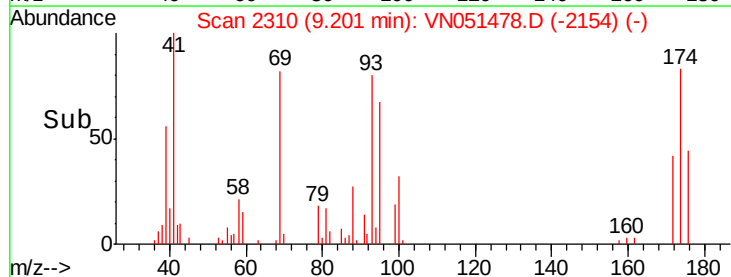
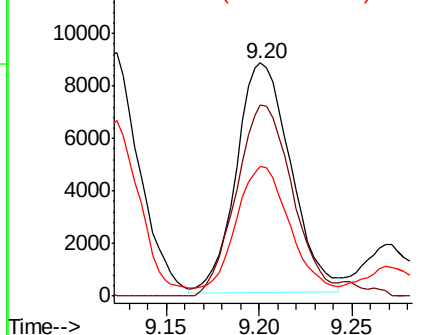


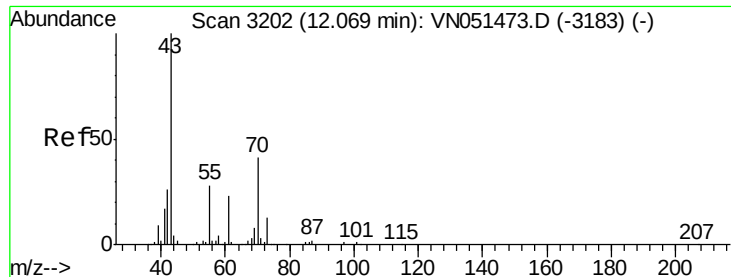
#46
 Methyl methacrylate
 Concen: 5.308 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.9	40.7	122.1
39	54.0	27.3	81.9



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





#47

n-amvl Acetate

Concen: 4.421 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 23990

Ion Ratio Lower Upper

43 100

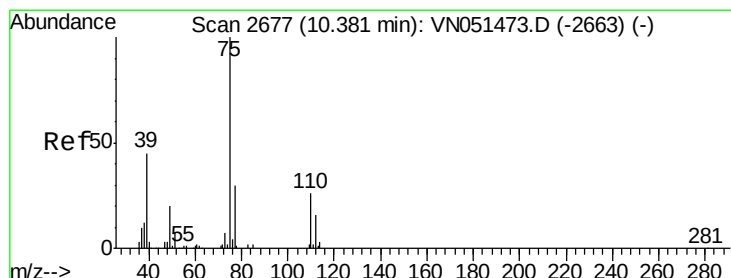
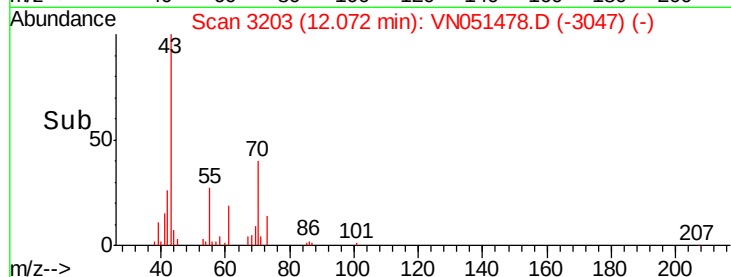
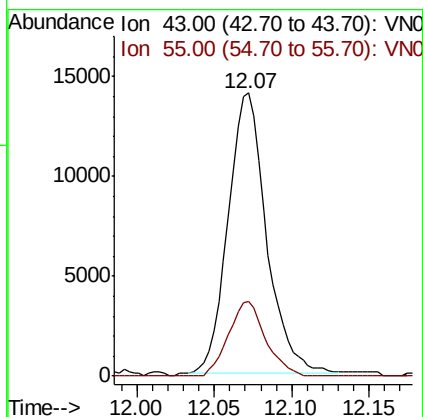
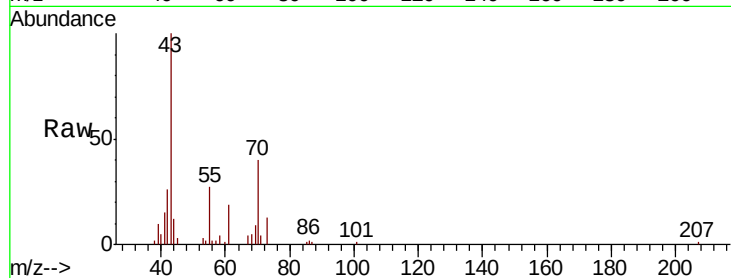
55 25.7 12.2 18.4#

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#48

t-1,3-Dichloropropene

Concen: 5.673 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051478.D

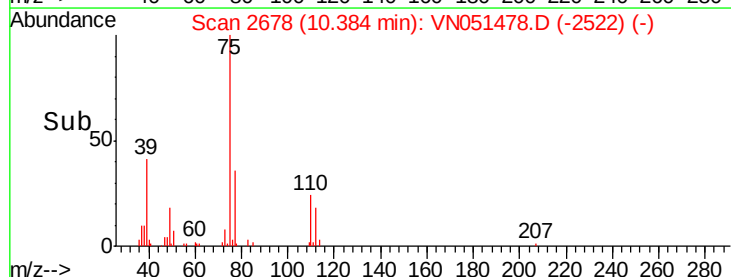
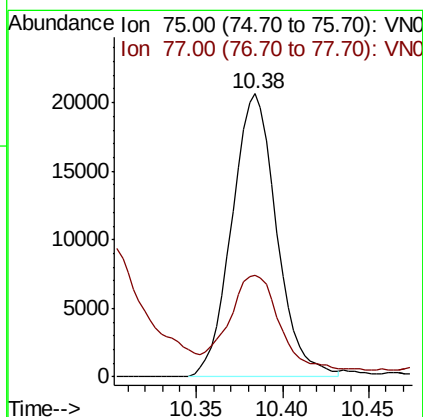
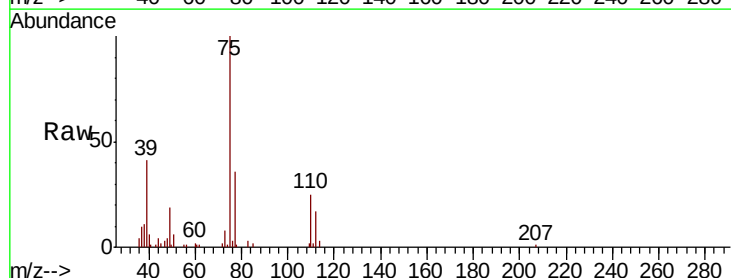
Acq: 25 Sep 2018 11:38

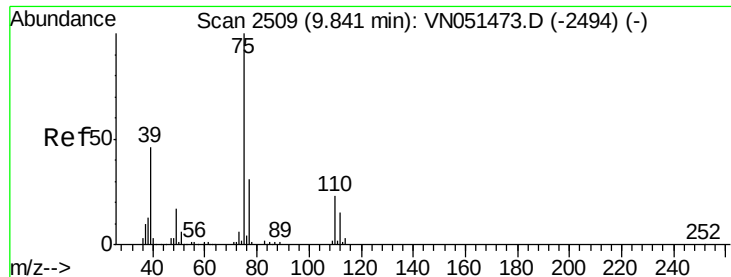
Tgt Ion: 75 Resp: 37405

Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 5.720 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

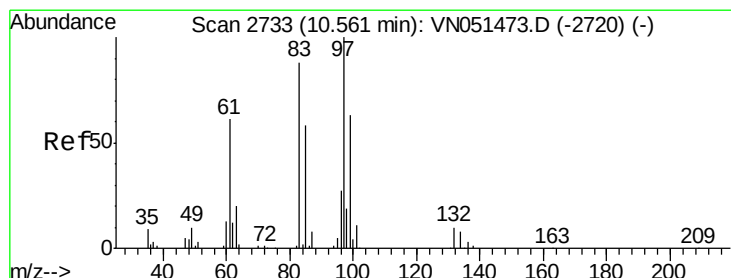
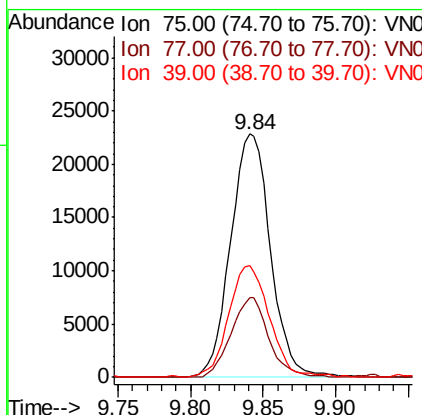
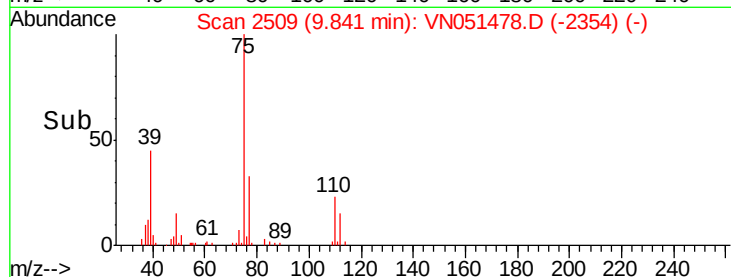
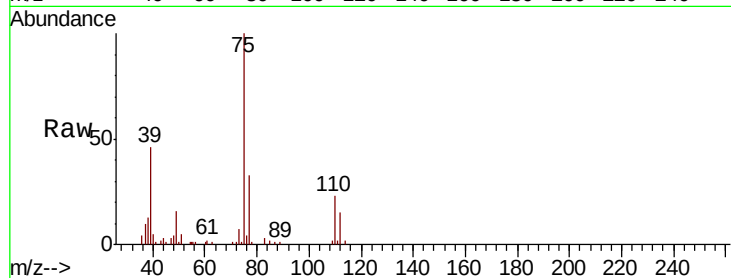
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	43656
Ion	Ratio	Lower	Upper
75	100		
77	32.8	23.2	34.8
39	45.9	34.6	52.0

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#50

1,1,2-Trichloroethane

Concen: 6.484 ug/l

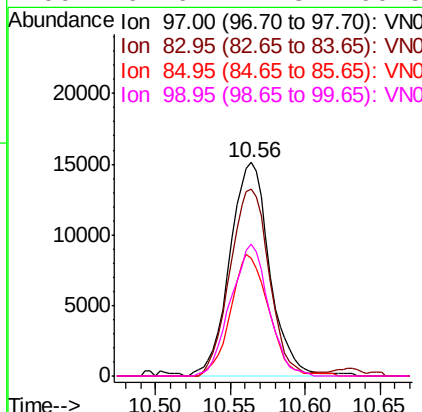
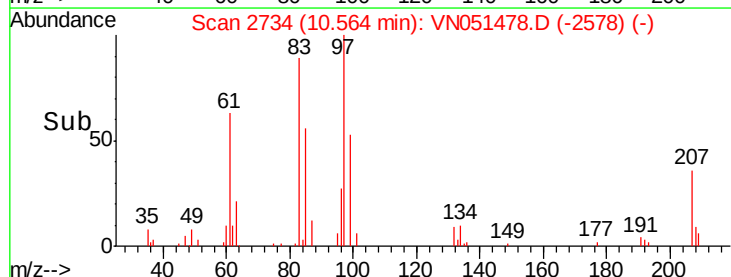
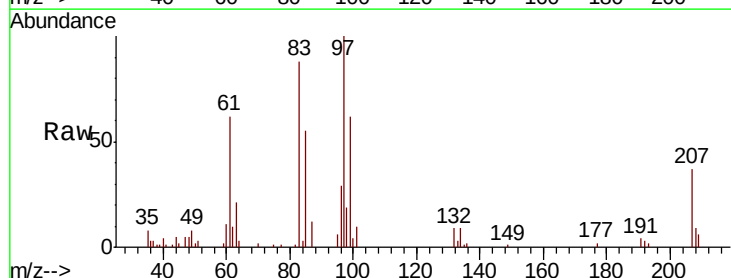
RT: 10.56 min Scan# 2734

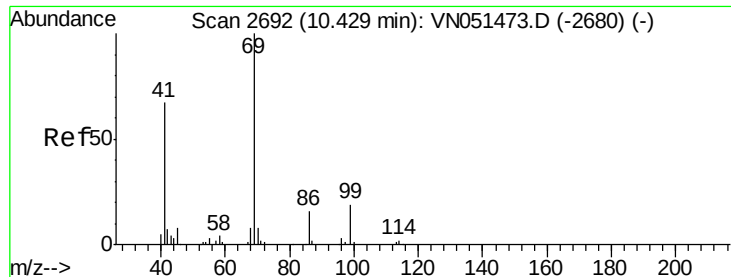
Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Tgt Ion:	97	Resp:	28000
Ion	Ratio	Lower	Upper
97	100		
83	87.6	68.2	102.4
85	55.3	42.5	63.7
99	61.6	44.3	66.5





#51

Ethyl methacrylate

Concen: 5.019 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

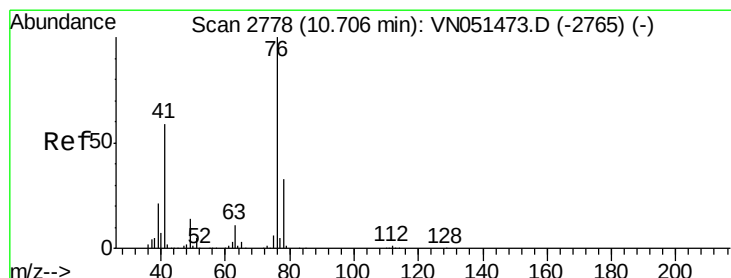
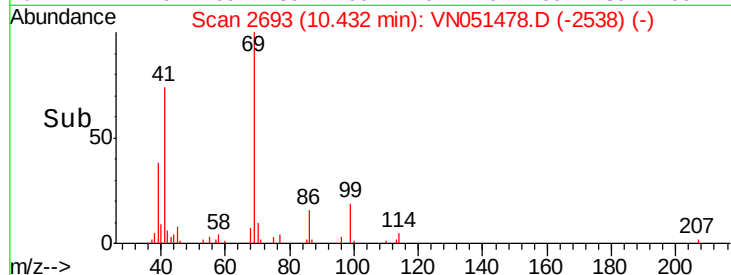
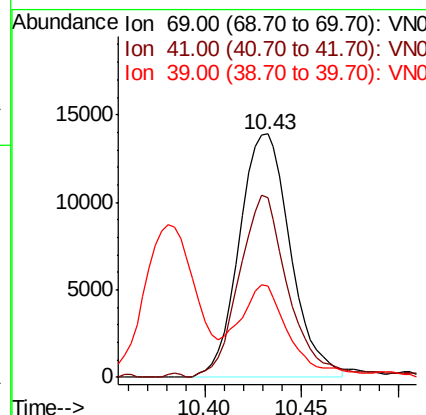
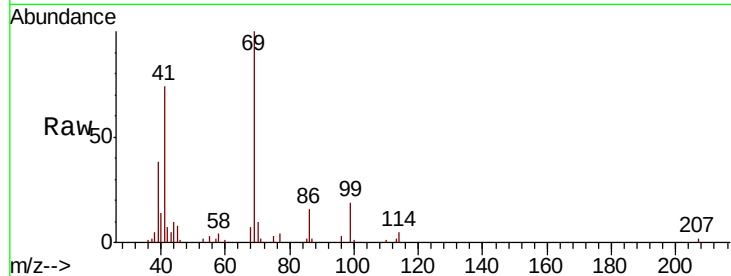
ClientSampled :

VSTDIC005

Tot Ion:	69	Resp:	25649
Ion	Ratio	Lower	Upper
69	100		
41	74.0	34.4	103.1
39	34.7	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 6.163 ug/l

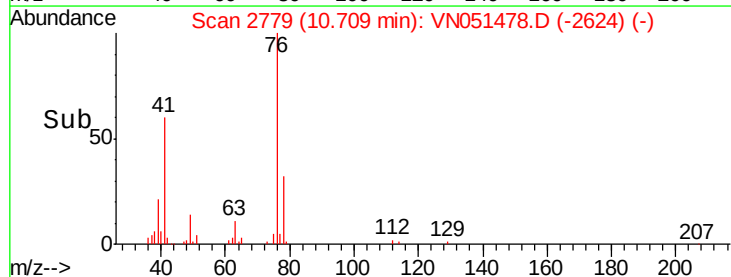
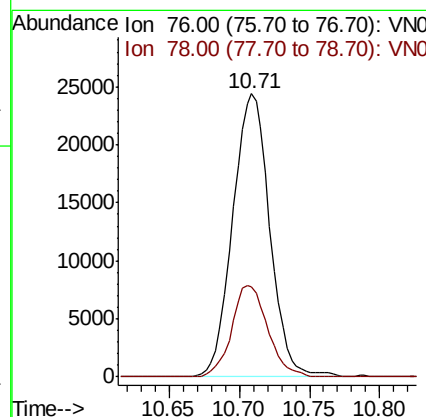
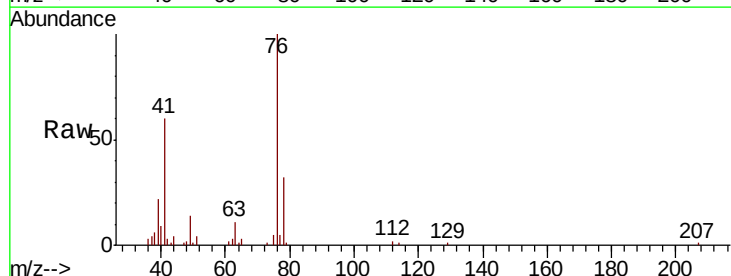
RT: 10.71 min Scan# 2779

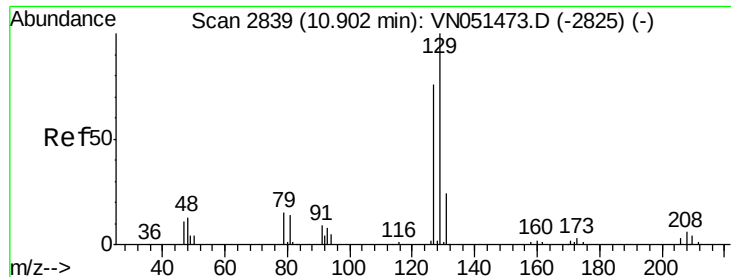
Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Tgt Ion:	76	Resp:	44893
Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	67.6





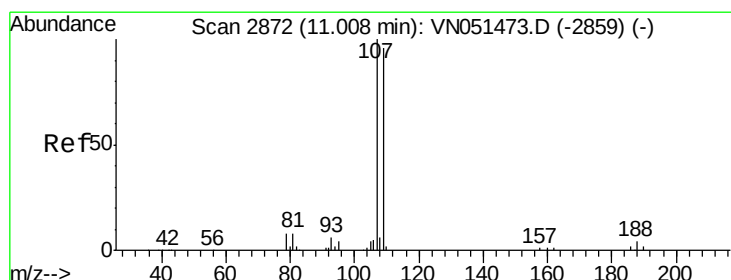
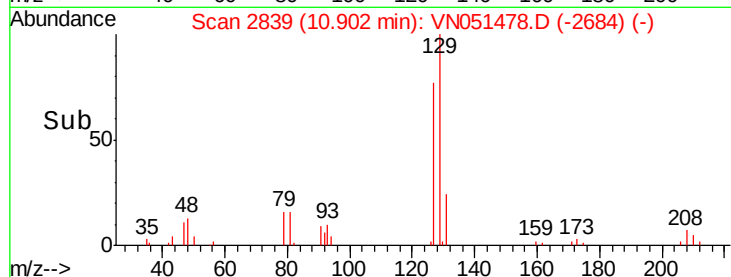
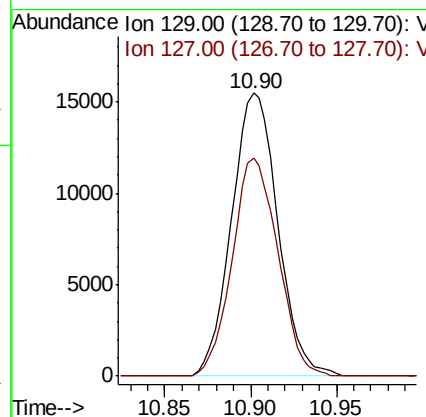
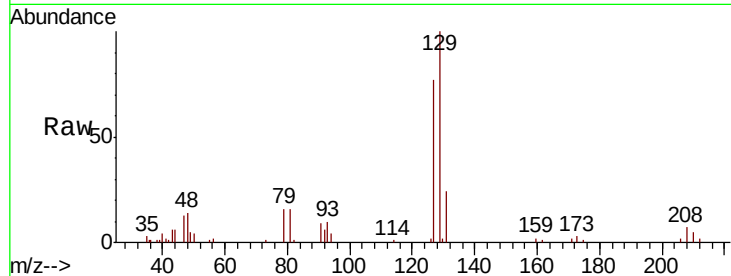
#53
Dibromochloromethane
Concen: 5.843 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.9	40.2	120.5

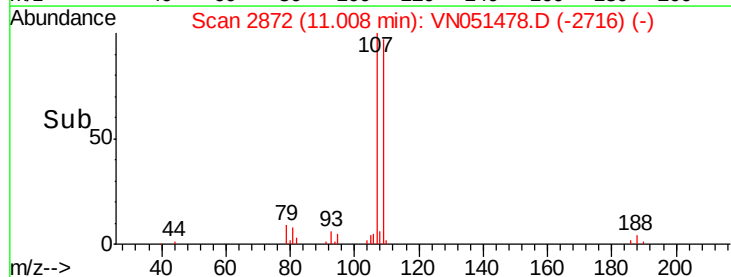
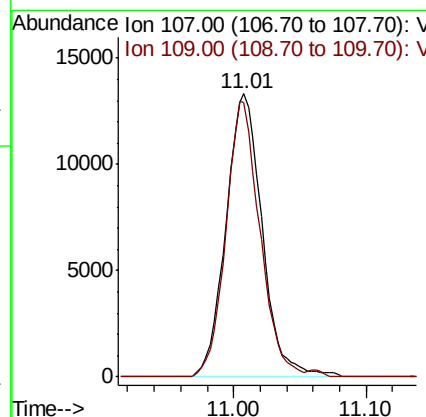
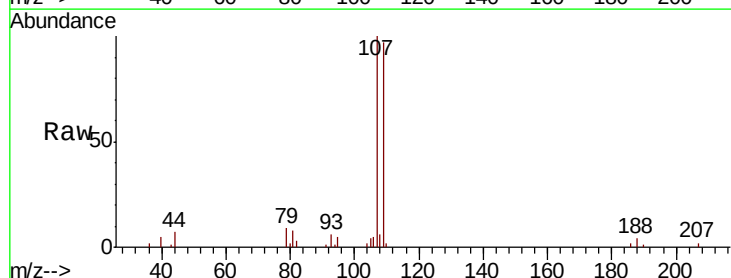
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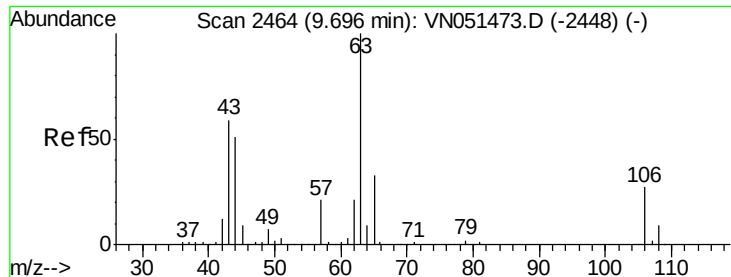
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#54
1,2-Dibromoethane
Concen: 6.066 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.3	77.4	116.0





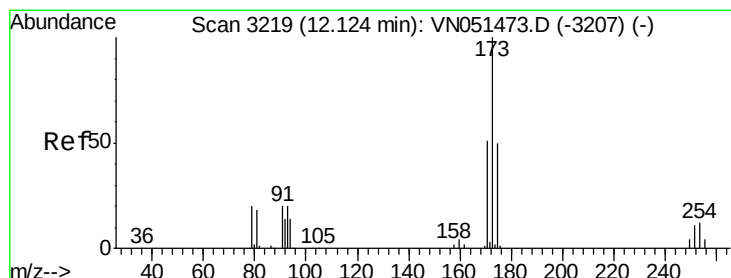
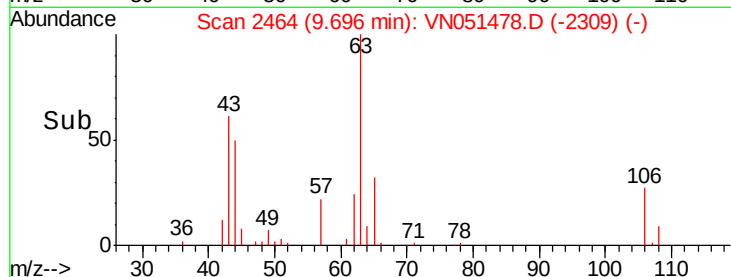
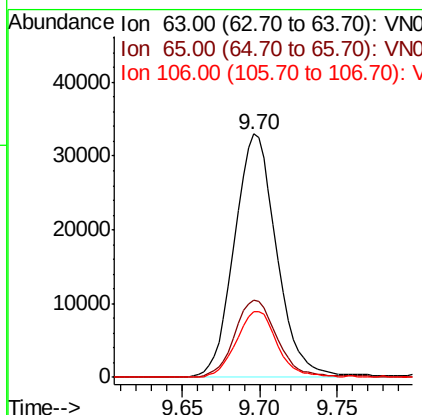
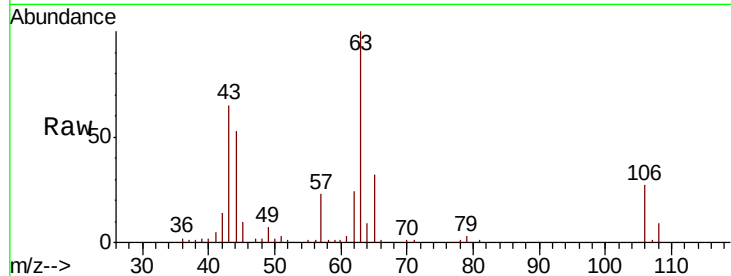
#55
2-Chloroethyl vinyl ether
Concen: 24.793 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.4	38.0
106	26.2	21.2	31.8

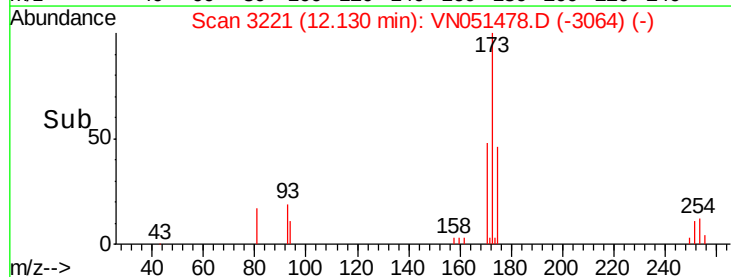
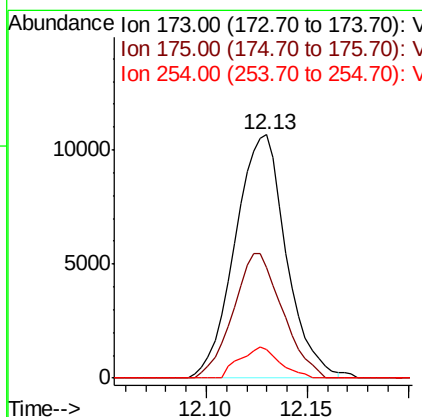
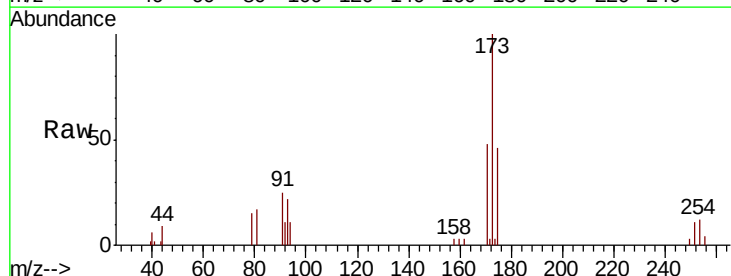
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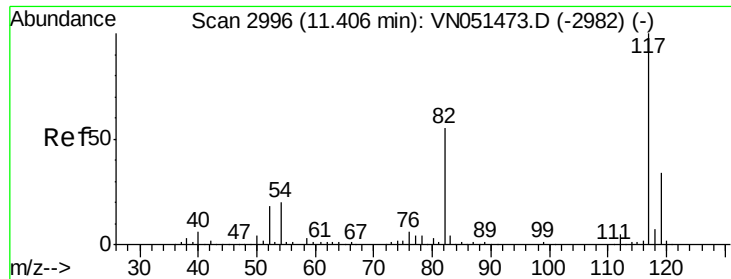
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#56
Bromoform
Concen: 5.654 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.01 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	35.8	53.8
254	10.0	8.6	13.0





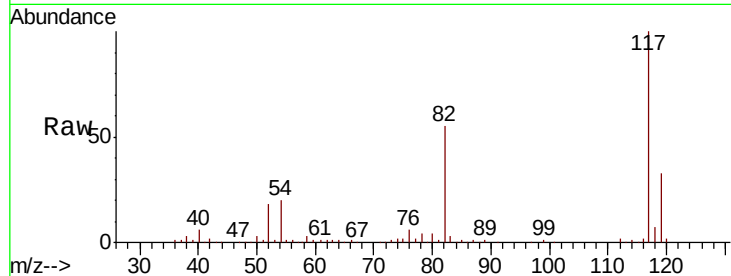
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

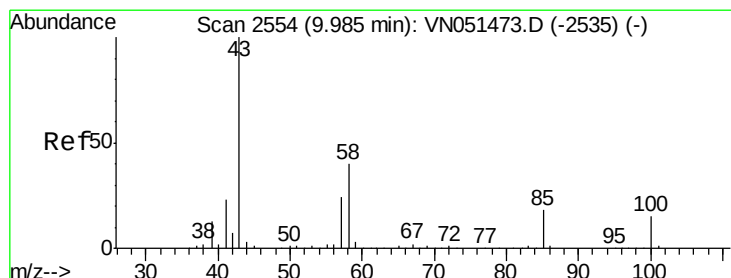
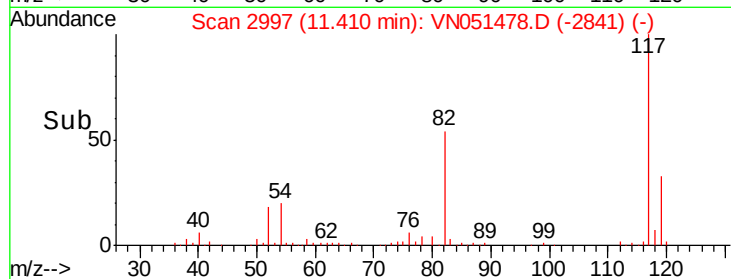
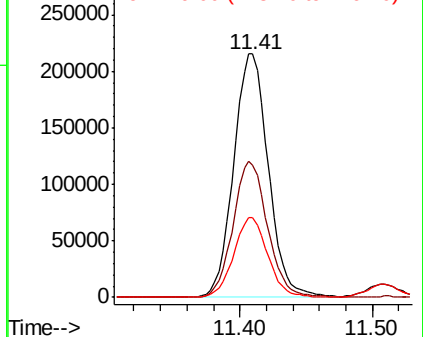
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.1	66.1
119	32.1	25.8	38.8

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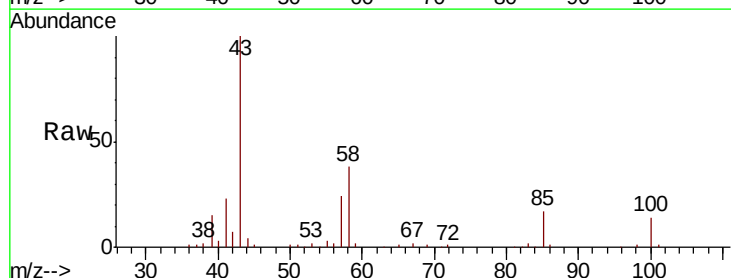


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

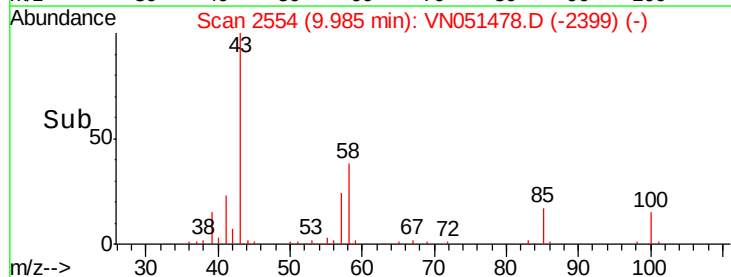
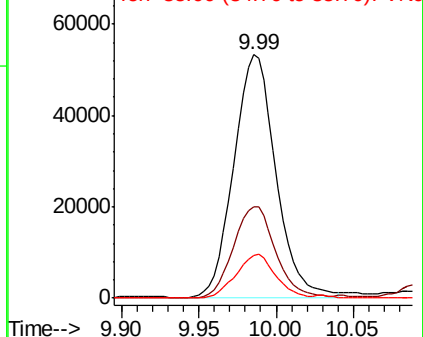


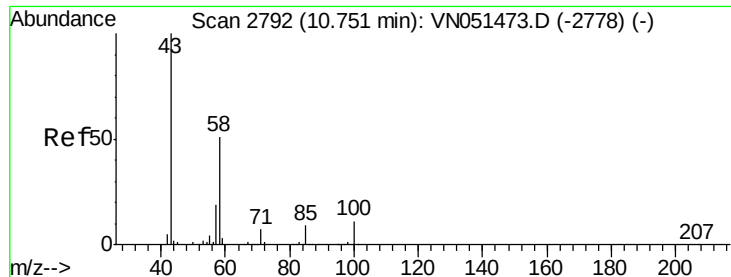
#58
4-Methyl-2-Pentanone
Concen: 29.206 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.1	29.3	43.9
85	17.1	12.6	18.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





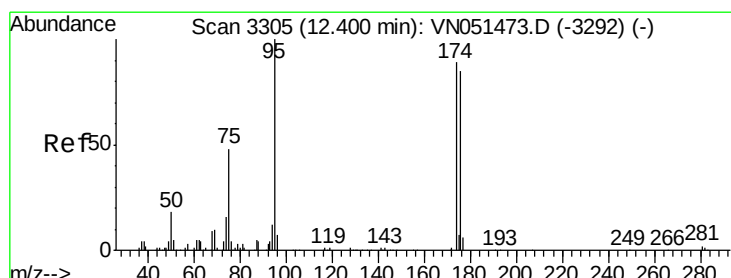
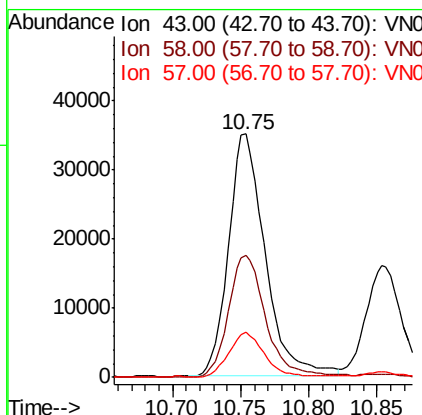
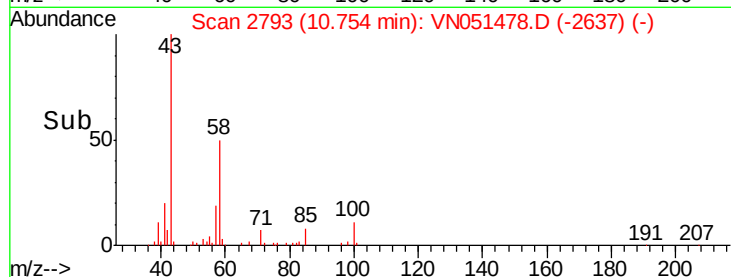
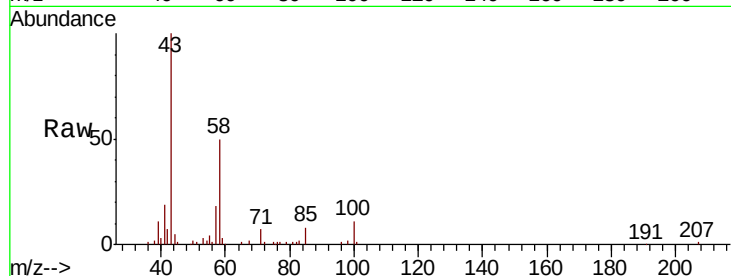
#59
2-Hexanone
Concen: 28.965 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	43	Resp:	65537
Ion Ratio	Lower	Upper	
43	100		
58	51.0	41.3	61.9
57	18.6	13.4	20.0

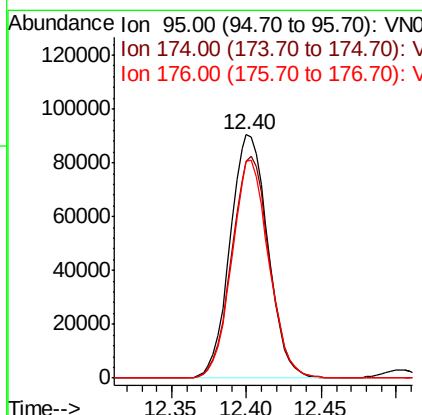
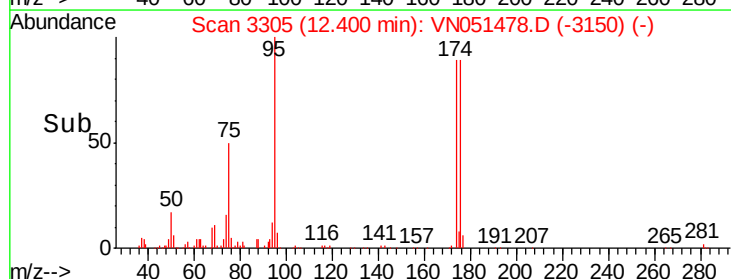
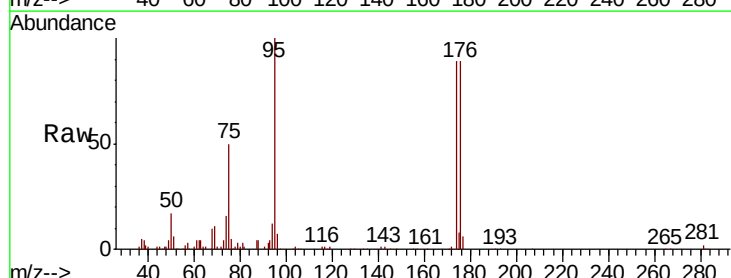
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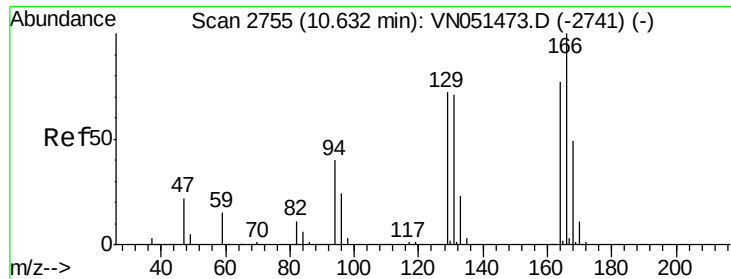
MMDadoda
10/1/2018 11:21:30 AM



#60
4-Bromofluorobenzene
Concen: 27.695 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion:	95	Resp:	159055
Ion Ratio	Lower	Upper	
95	100		
174	90.6	73.5	110.3
176	87.5	70.2	105.2





#61

Tetrachloroethene

Concen: 6.499 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 29576

Ion Ratio Lower Upper

164 100

166 126.5 98.7 148.1

129 94.5 69.6 104.4

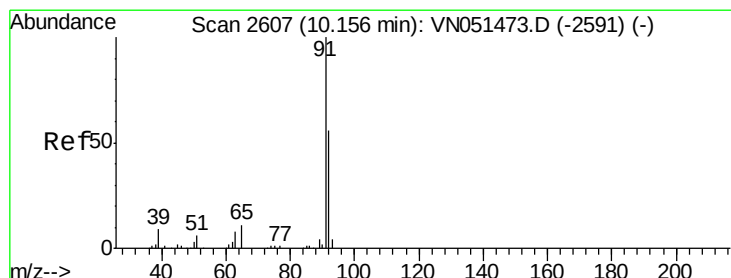
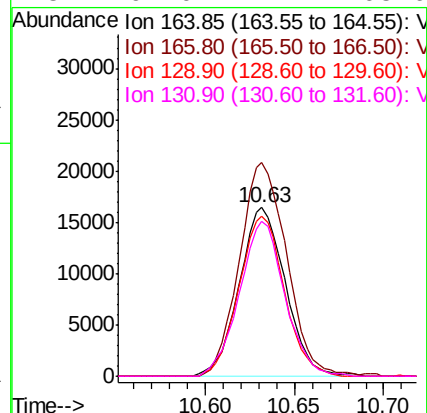
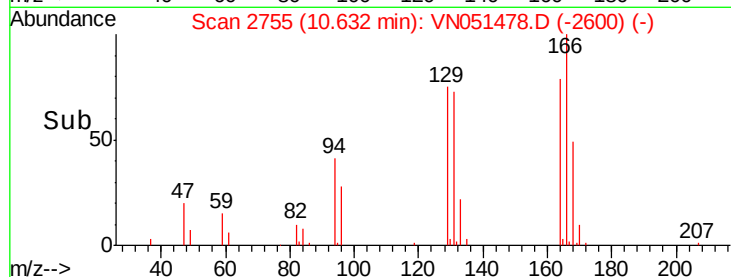
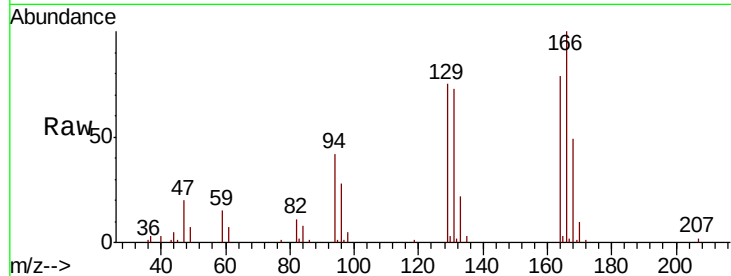
131 92.0 72.4 108.6

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#62

Toluene

Concen: 6.419 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051478.D

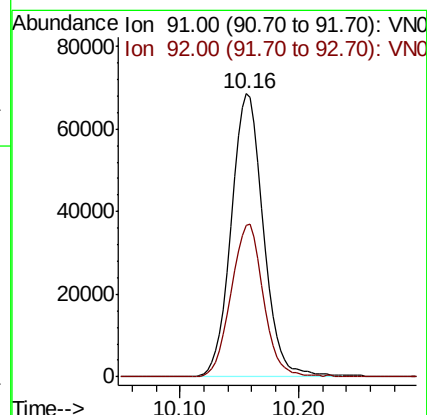
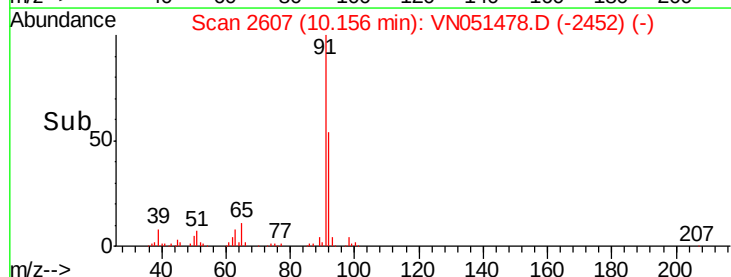
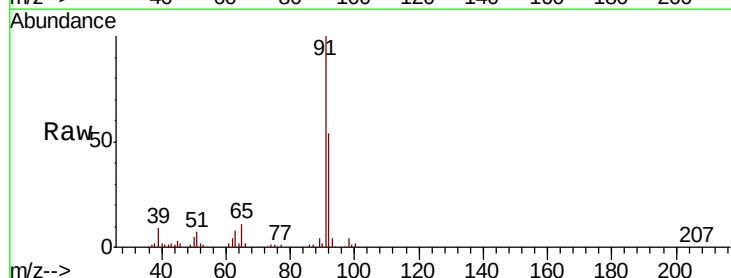
Acq: 25 Sep 2018 11:38

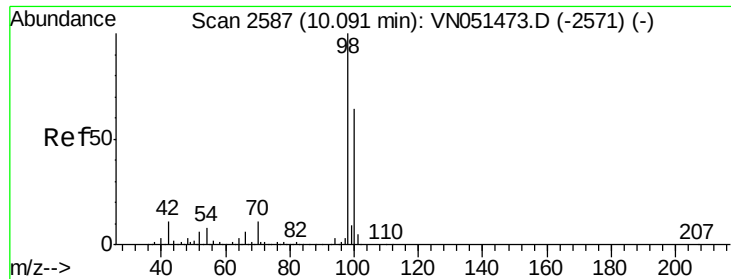
Tgt Ion: 91 Resp: 128557

Ion Ratio Lower Upper

91 100

92 54.0 44.6 66.8





#63

Toluene-d8

Concen: 30.683 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 575498

Ion Ratio Lower Upper

98 100

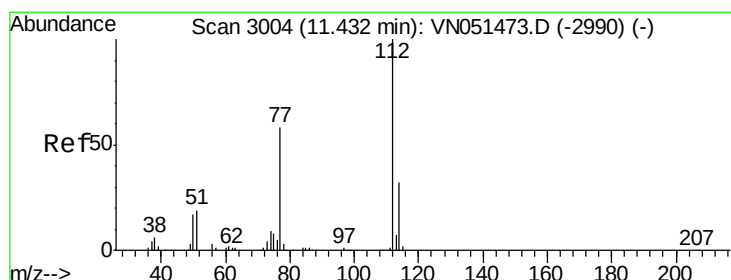
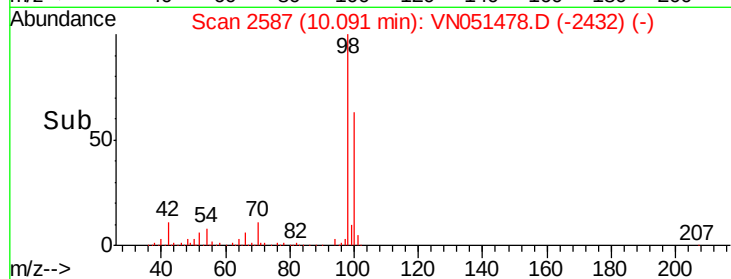
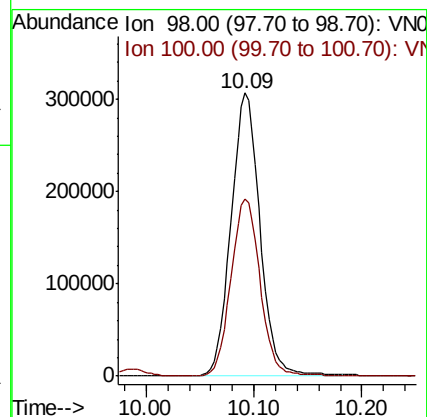
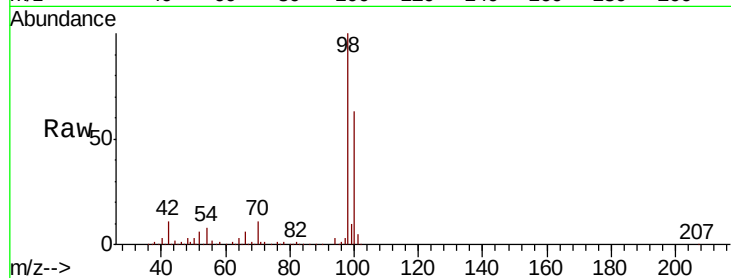
100 63.3 50.8 76.2

Manual Integrations

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#64

Chlorobenzene

Concen: 6.249 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051478.D

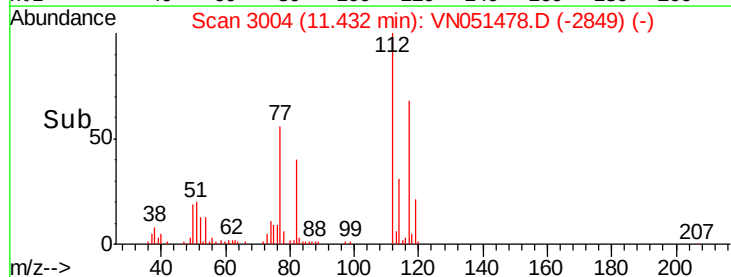
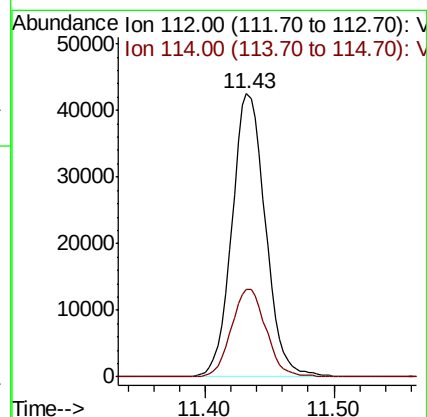
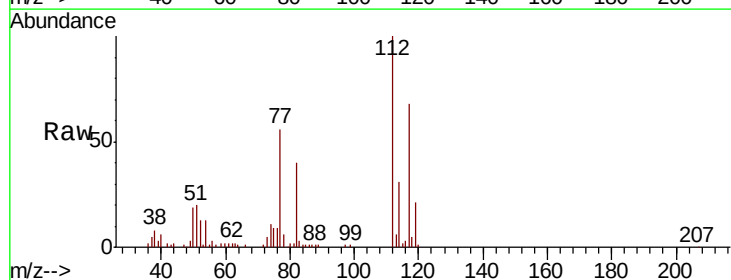
Acq: 25 Sep 2018 11:38

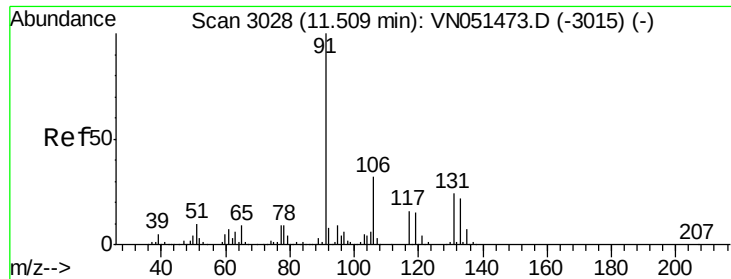
Tgt Ion: 112 Resp: 76725

Ion Ratio Lower Upper

112 100

114 31.0 27.5 41.3





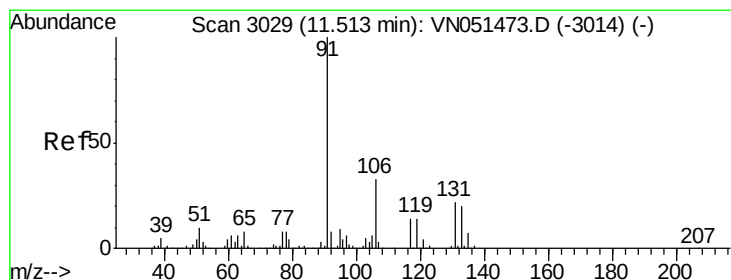
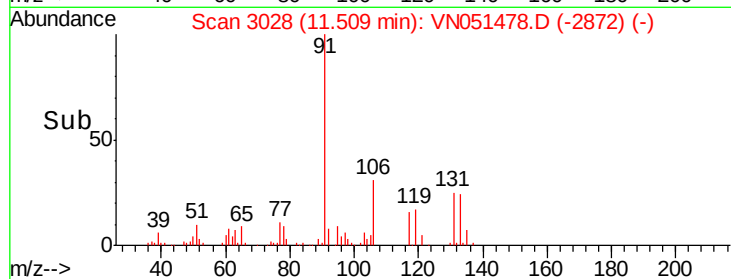
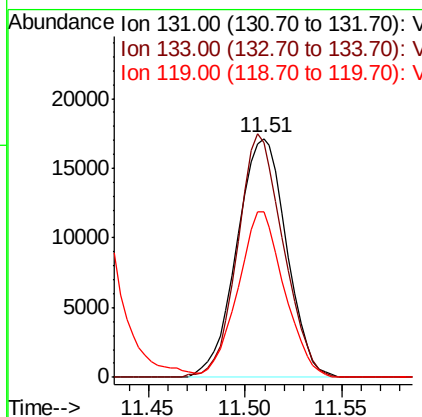
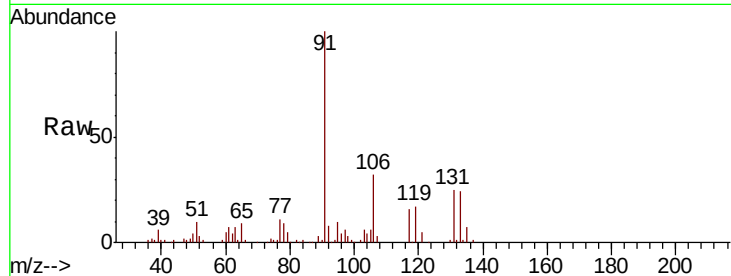
#65
 1,1,1,2-Tetrachloroethane
 Concen: 6.428 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
131	100	30512		
133	93.7	0.0	190.4	
119	65.0	0.0	128.0	

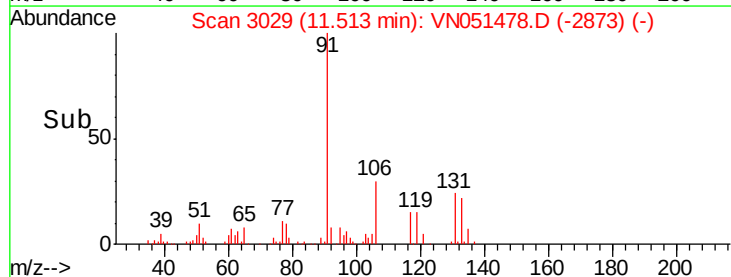
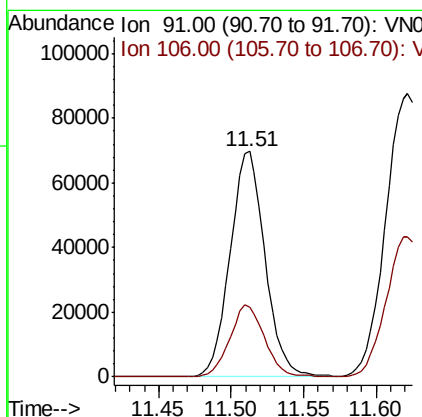
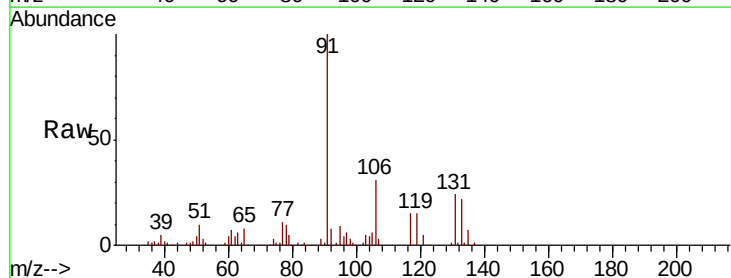
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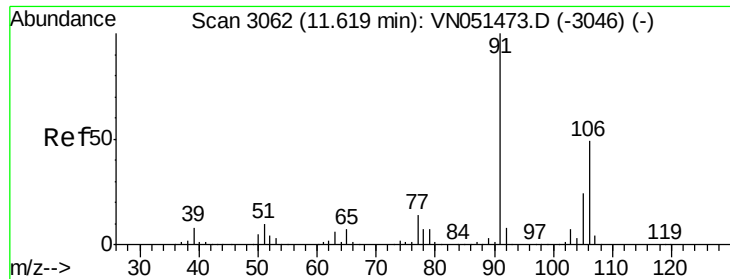
MMDadoda
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#66
 Ethyl Benzene
 Concen: 5.651 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	116739		
106	30.9	25.9	38.9	





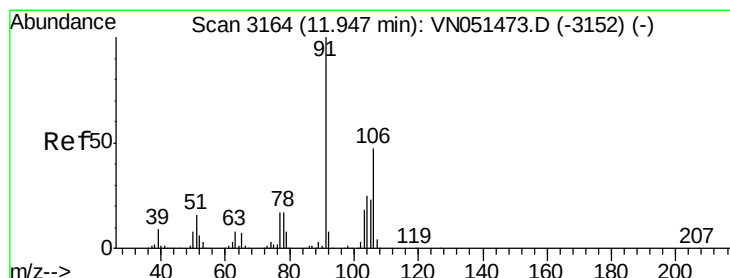
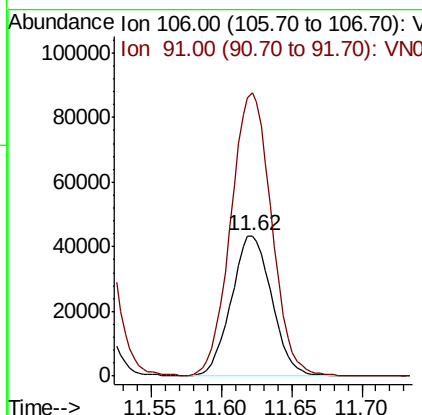
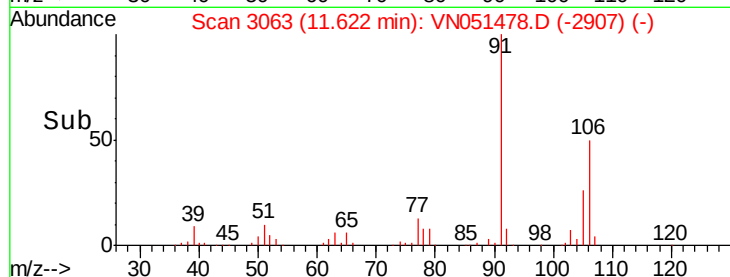
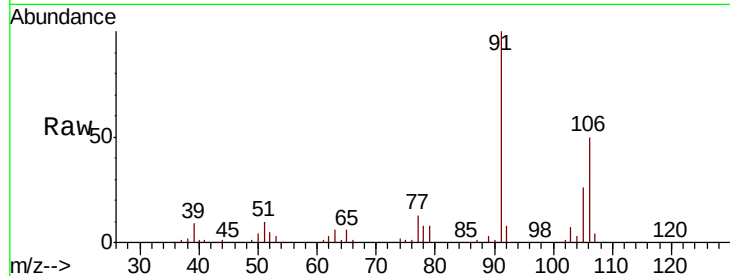
#67
m/p-Xylenes
Concen: 10.976 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 87295
Ion Ratio Lower Upper
106 100
91 202.2 158.8 238.2

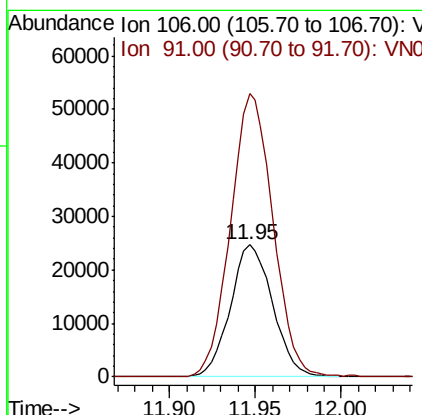
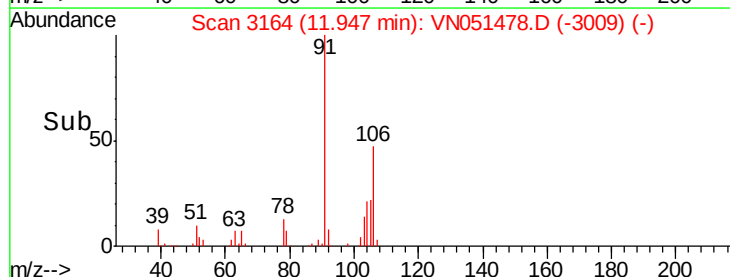
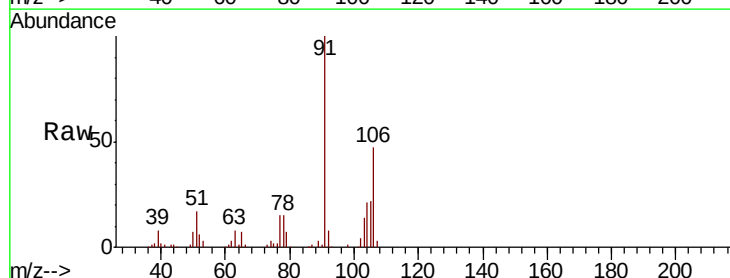
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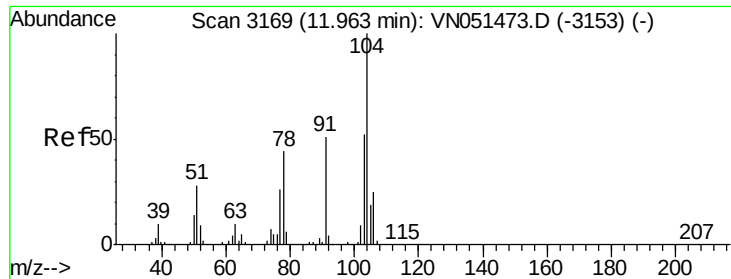
MMDadoda
10/1/2018 11:21:30 AM



#68
o-Xylene
Concen: 5.573 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion:106 Resp: 42214
Ion Ratio Lower Upper
106 100
91 215.1 111.1 333.3





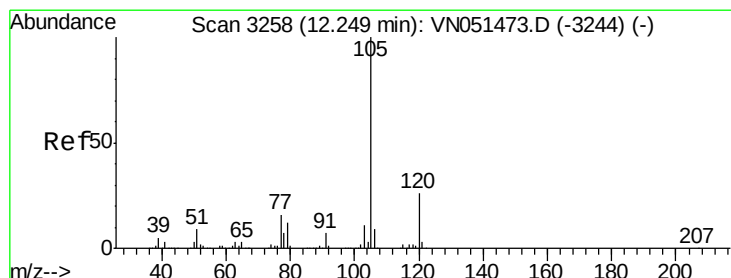
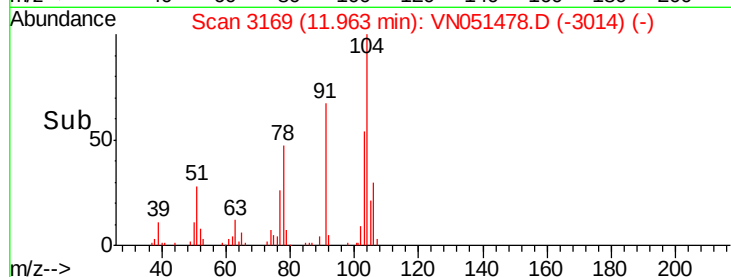
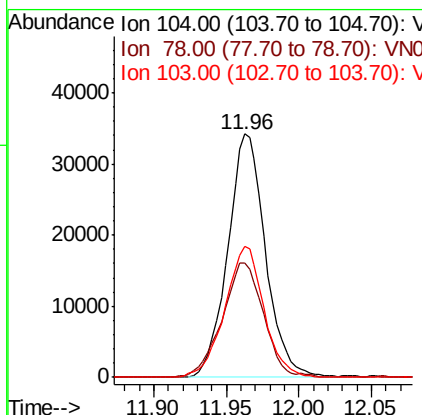
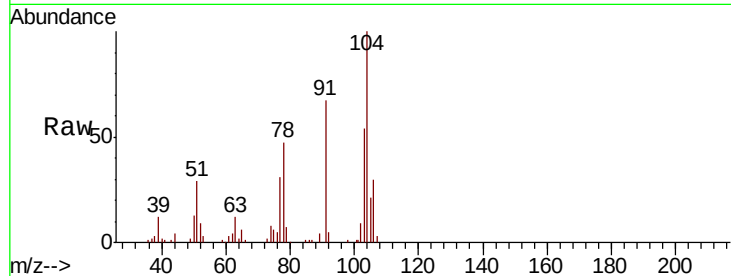
#69
Stvrene
Concen: 5.146 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.6	60.8
103	55.6	44.0	66.0

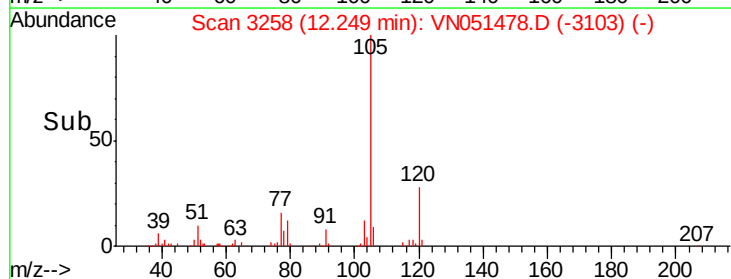
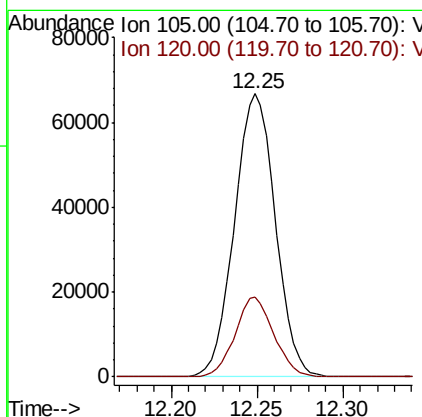
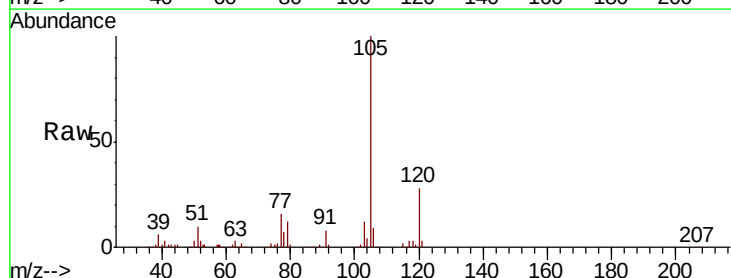
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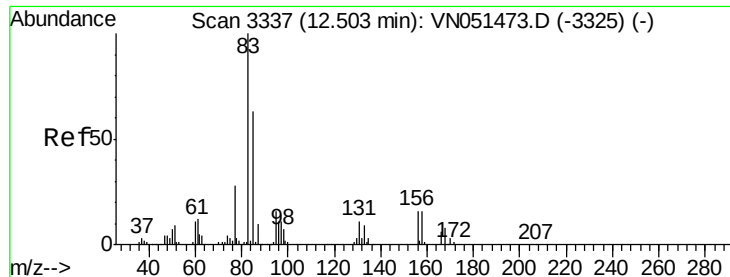
MMDadoda
10/1/2018 11:21:30 AM



#70
Isopropylbenzene
Concen: 5.429 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.0	35.4





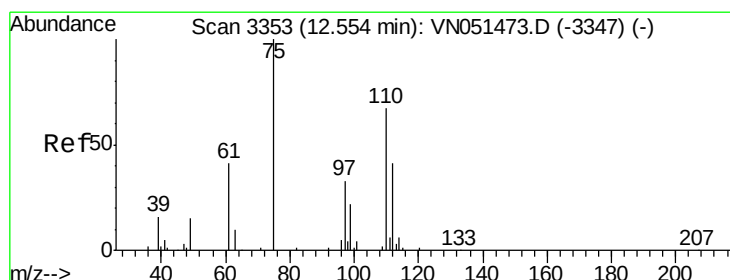
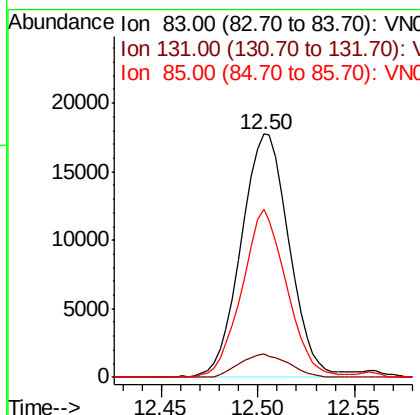
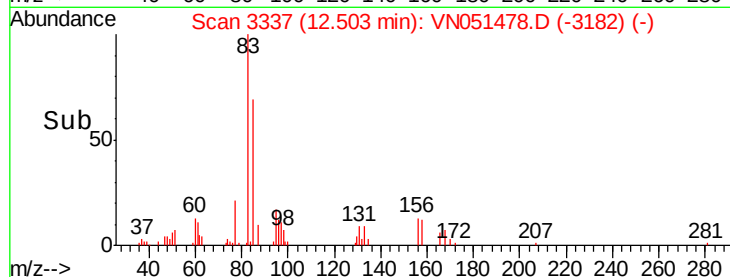
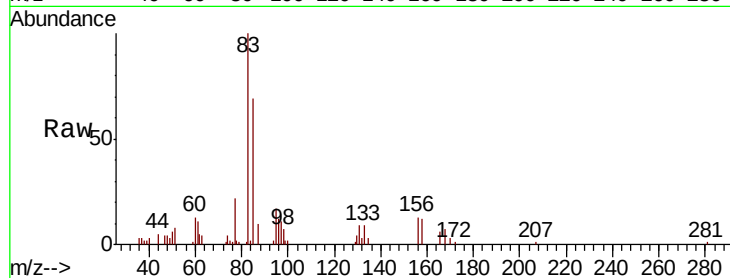
#71
 1,1,2,2-Tetrachloroethane
 Concen: 6.410 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.5	16.4
85	64.6	30.6	91.8

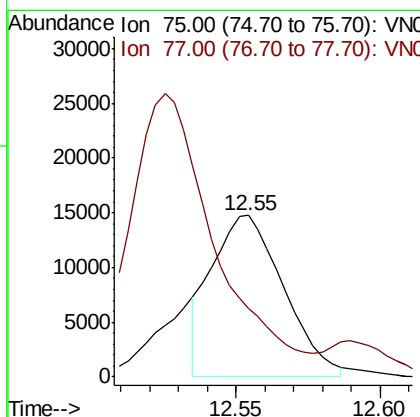
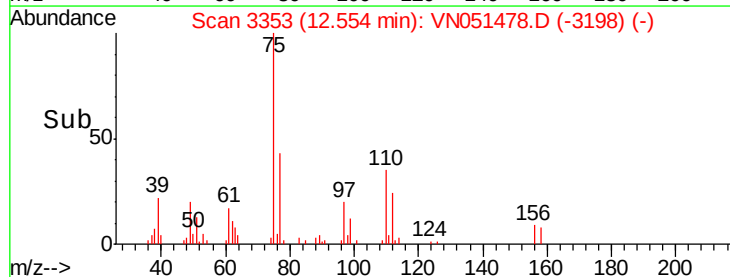
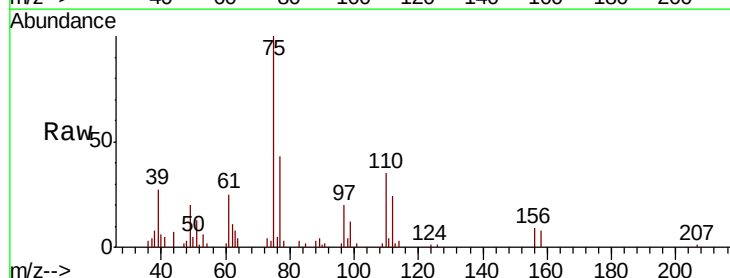
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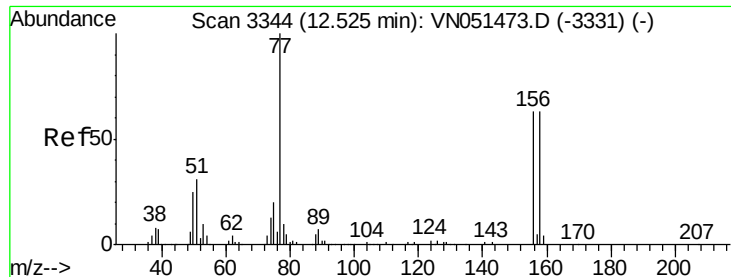
MMDadoda
 10/1/2018 11:21:30 AM



#72
 1,2,3-Trichloropropane
 Concen: 6.787 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	210.7	0.0	400.0





#73

Bromobenzene

Concen: 5.863 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

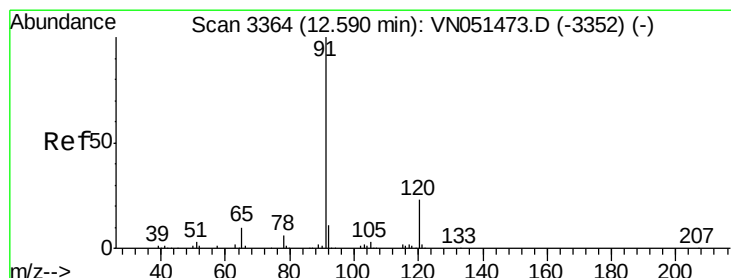
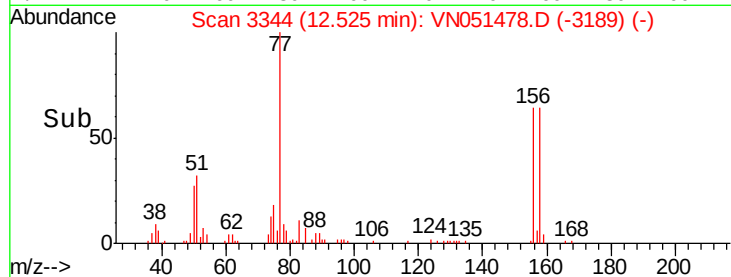
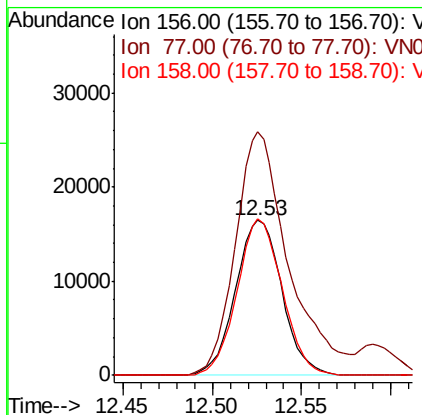
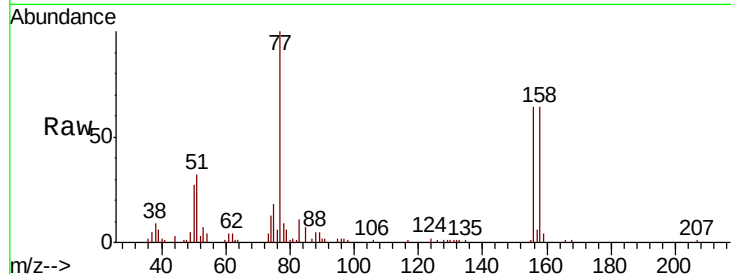
ClientSampled :

VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		29958		
77	179.6	0.0	377.4		
158	97.9	0.0	203.0		

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#74

n-propylbenzene

Concen: 5.219 ug/l

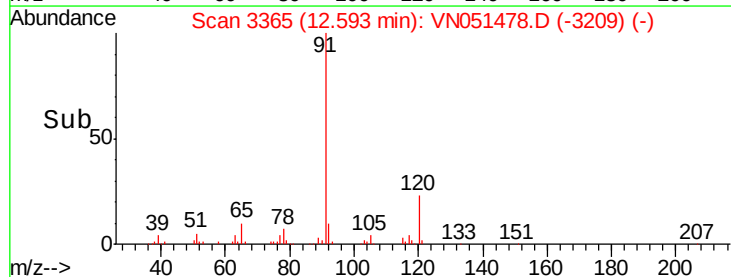
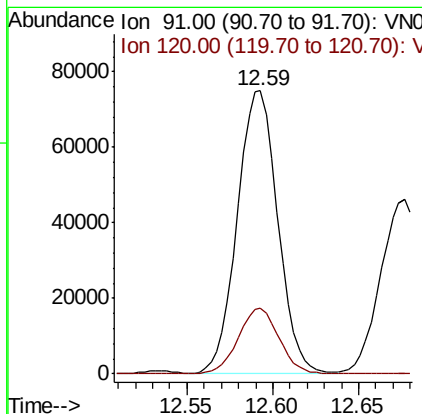
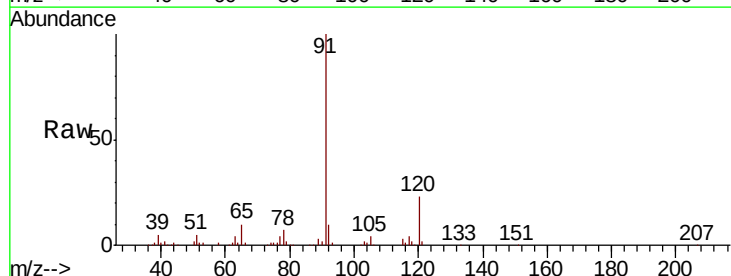
RT: 12.59 min Scan# 3365

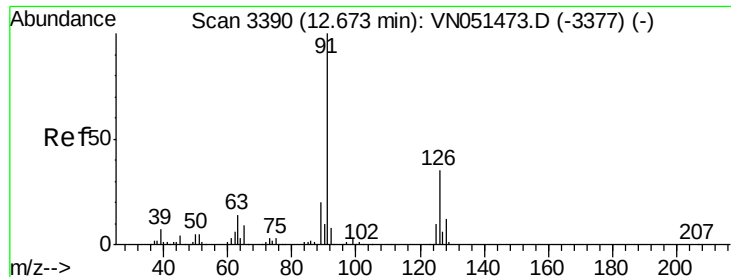
Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		122998		
120	23.2	0.0	45.0		





#75

2-Chlorotoluene

Concen: 5.687 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 79101

Ion Ratio Lower Upper

91 100

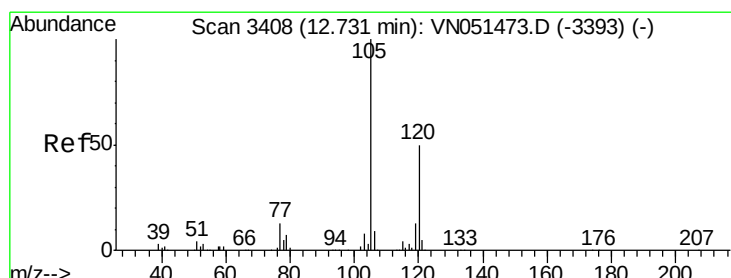
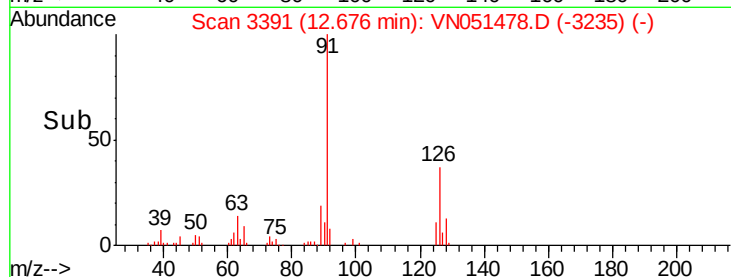
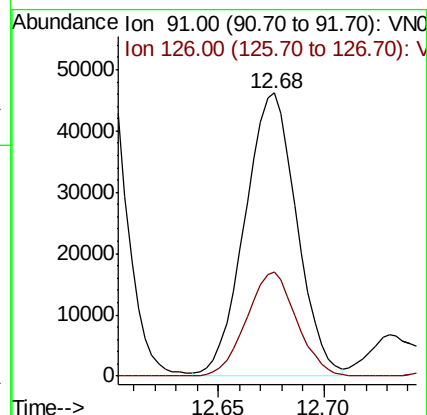
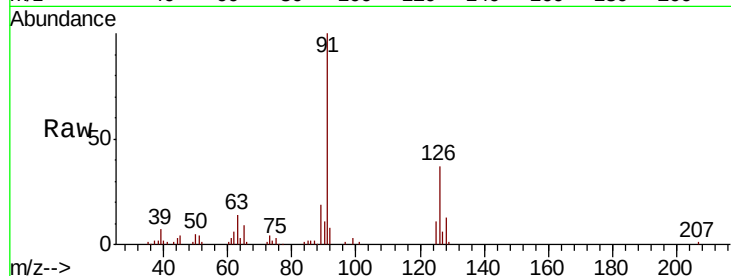
126 35.4 0.0 67.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 5.175 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051478.D

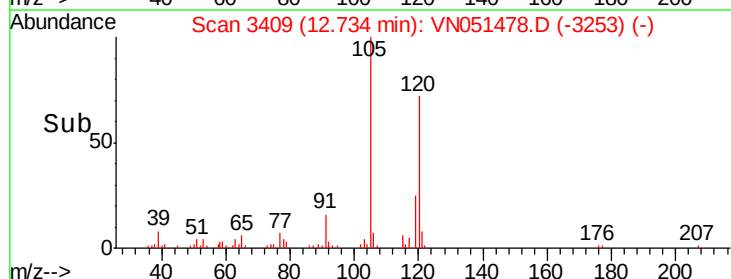
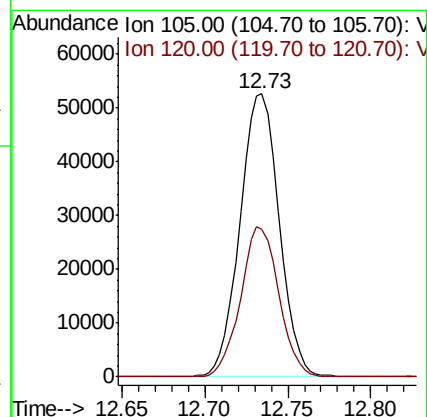
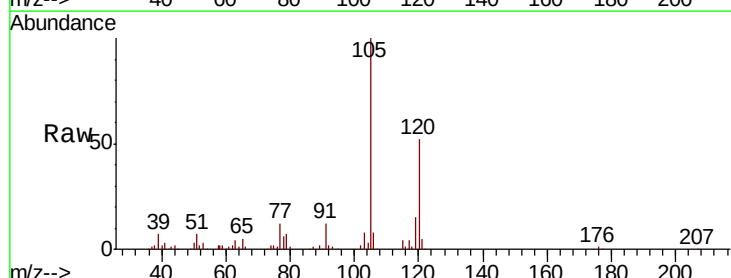
Acq: 25 Sep 2018 11:38

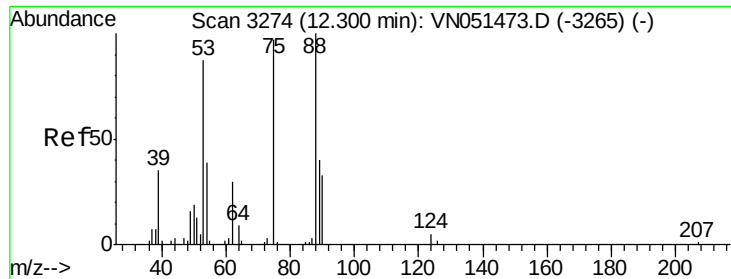
Tgt Ion: 105 Resp: 86576

Ion Ratio Lower Upper

105 100

120 51.7 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 4.719 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

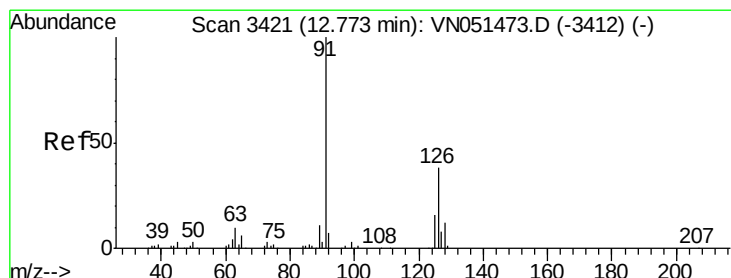
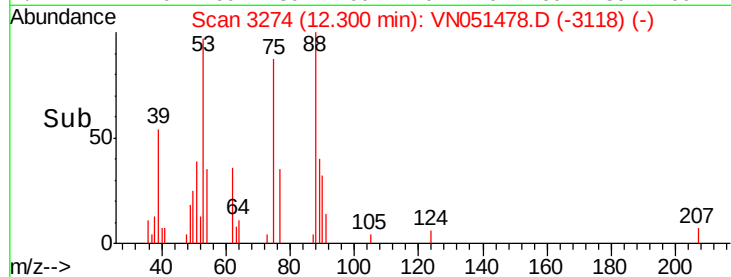
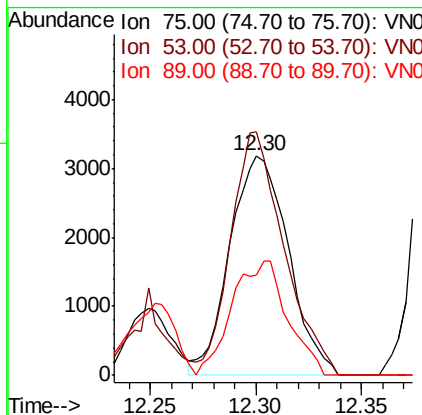
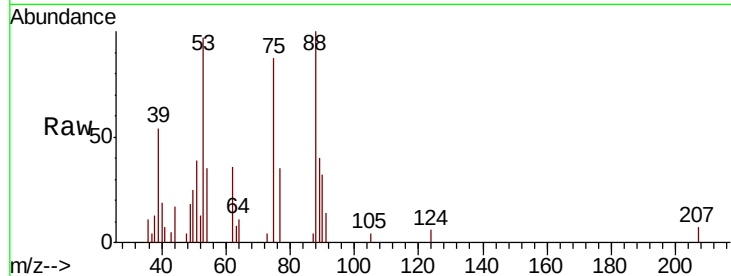
ClientSampled :

VSTDIC005

Tot Ion:	75	Resp:	6125
Ion	Ratio	Lower	Upper
75	100		
53	111.0	46.3	138.9
89	45.8	24.6	73.8

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#78

4-Chlorotoluene

Concen: 5.372 ug/l

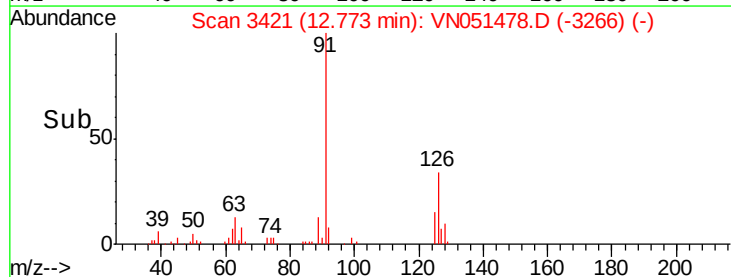
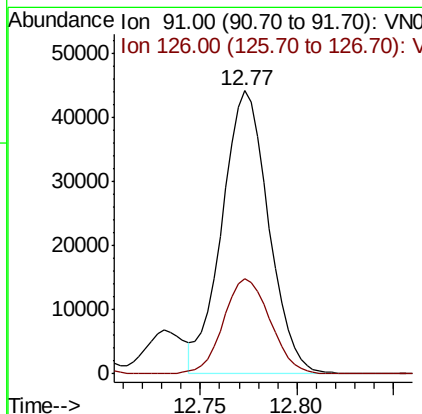
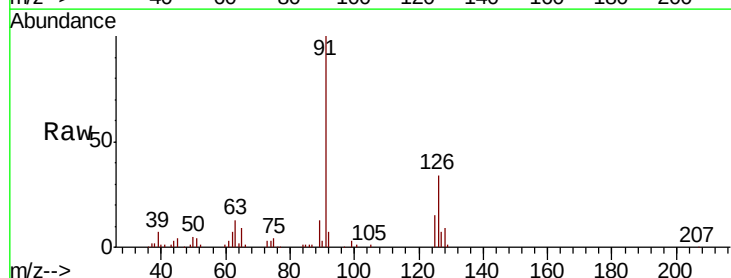
RT: 12.77 min Scan# 3421

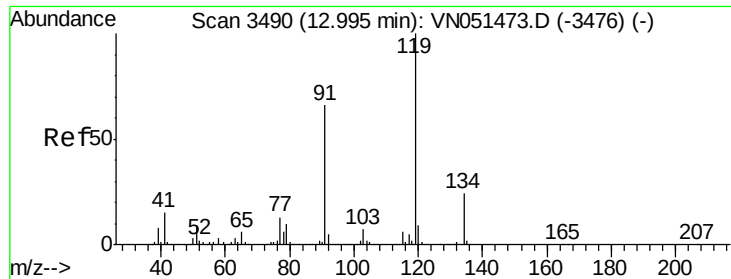
Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Tgt Ion:	91	Resp:	74108
Ion	Ratio	Lower	Upper
91	100		
126	33.7	0.0	65.2





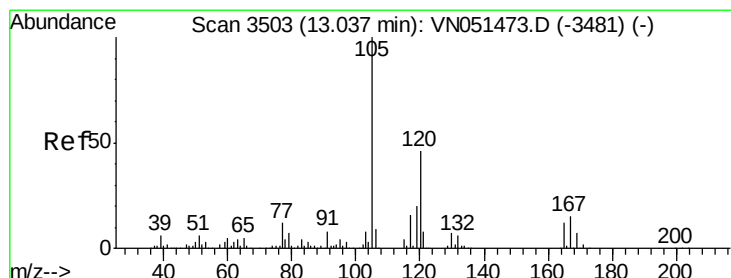
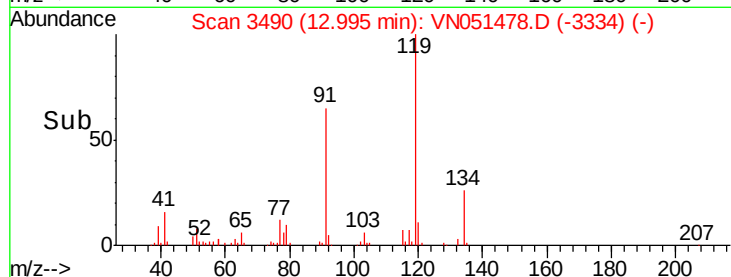
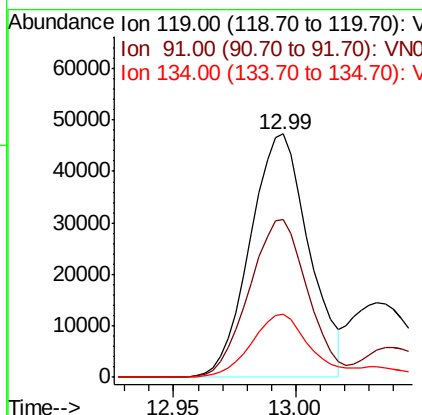
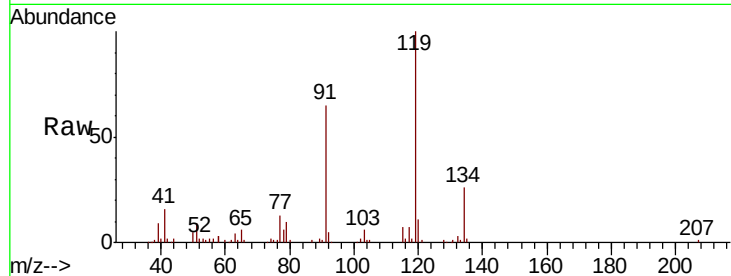
#79
tert-butylbenzene
Concen: 5.426 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	79030		
91	64.6		0.0	131.6
134	25.9		0.0	46.2

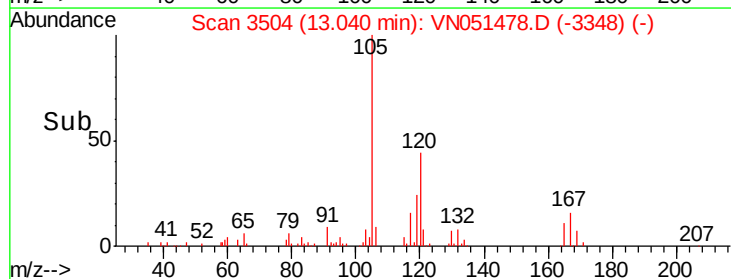
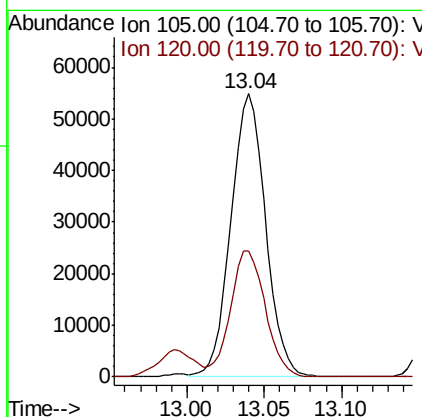
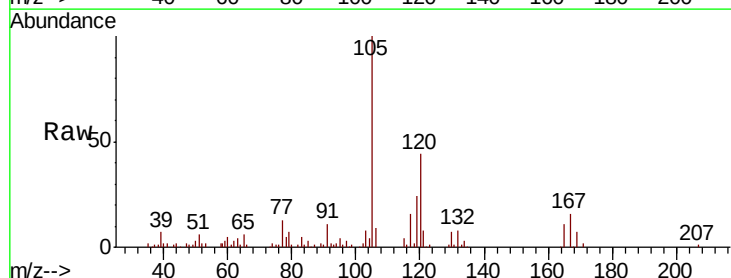
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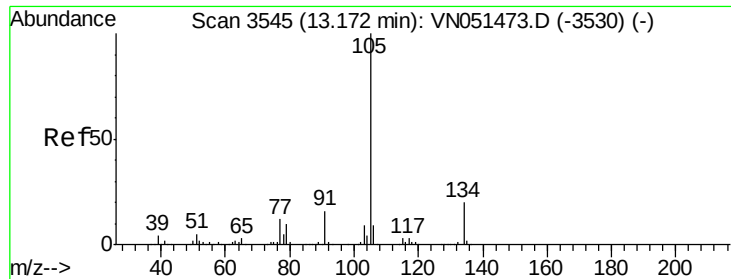
MMDadoda
10/1/2018 11:21:30 AM



#80
1,2,4-Trimethylbenzene
Concen: 5.073 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	85307		
120	44.8		0.0	89.6





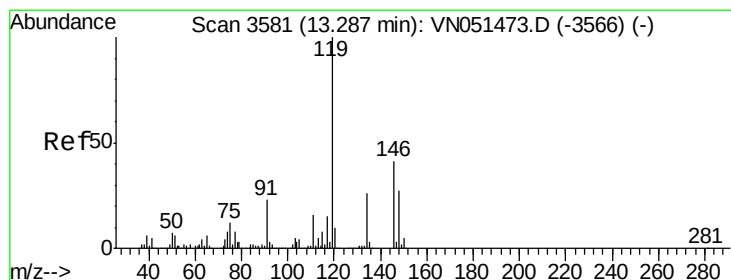
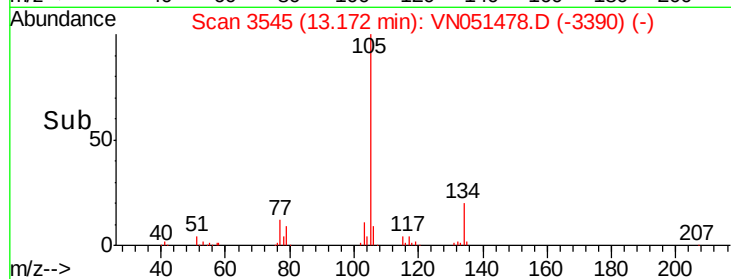
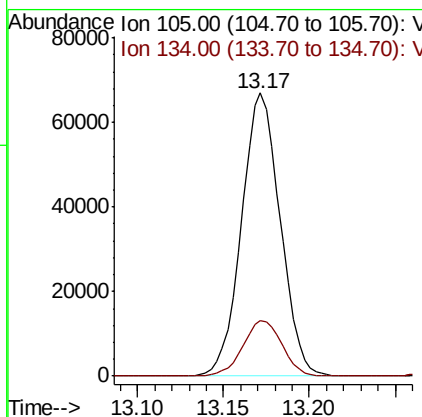
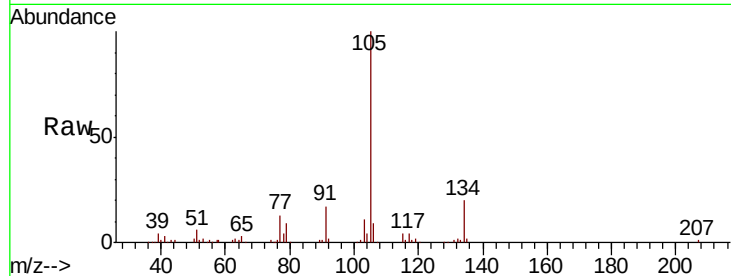
#81
 sec-Butylbenzene
 Concen: 5.223 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	104636		
134	20.0	0.0	39.4	

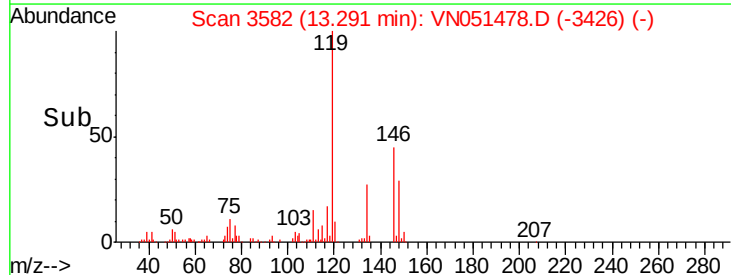
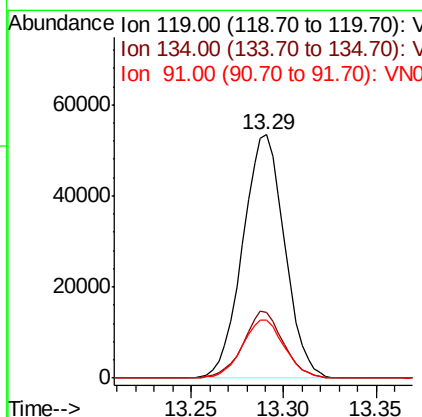
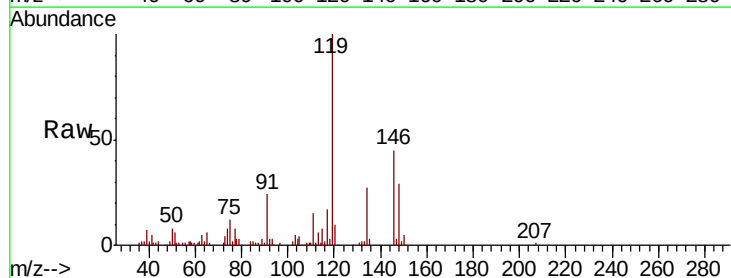
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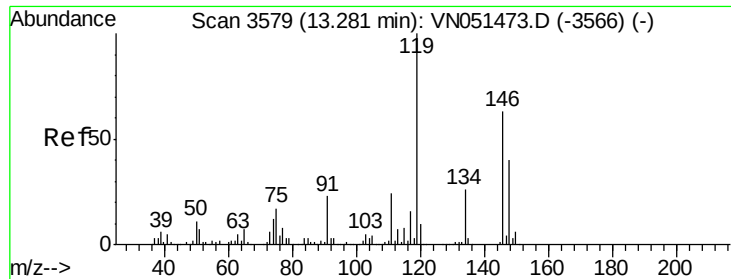
MMDadoda
 10/1/2018 11:21:30 AM



#82
 p-Isopropyltoluene
 Concen: 4.845 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	83798		
134	26.0	0.0	53.6	
91	24.1	0.0	52.0	





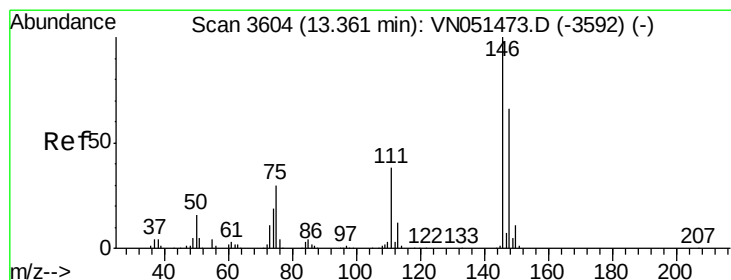
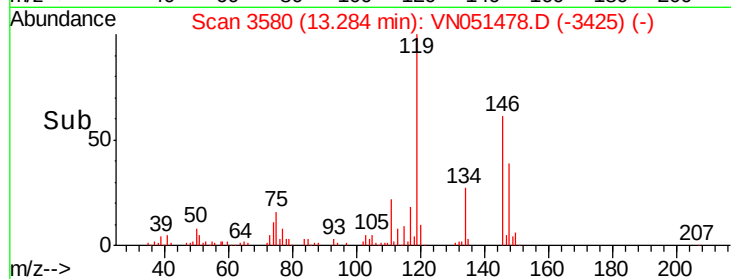
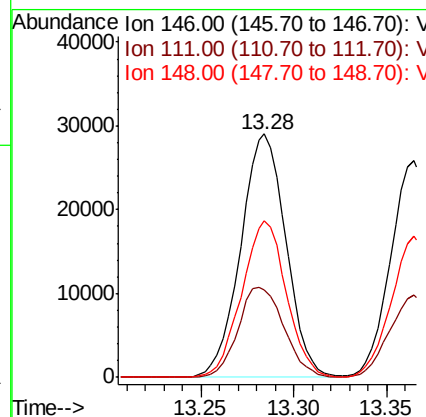
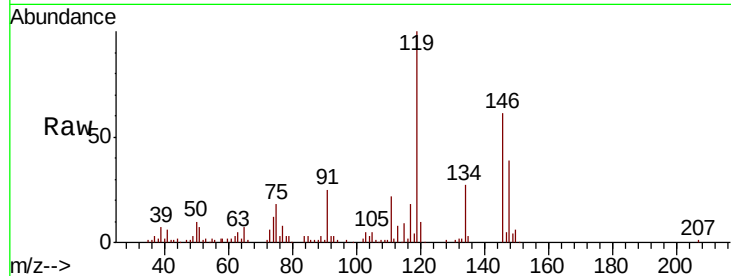
#83
 1,3-Dichlorobenzene
 Concen: 5.476 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.3
148	63.2	31.3	93.8

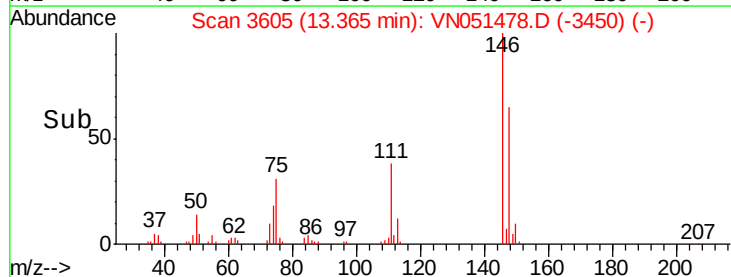
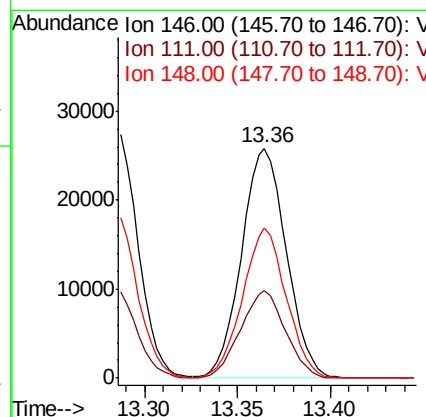
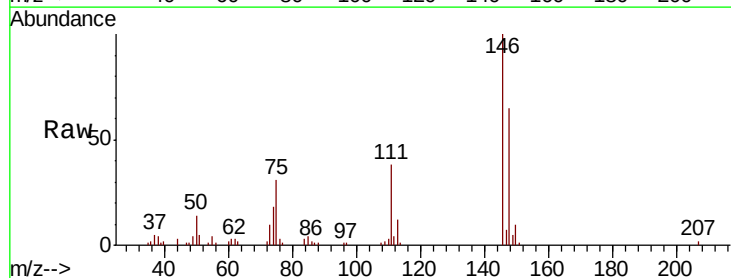
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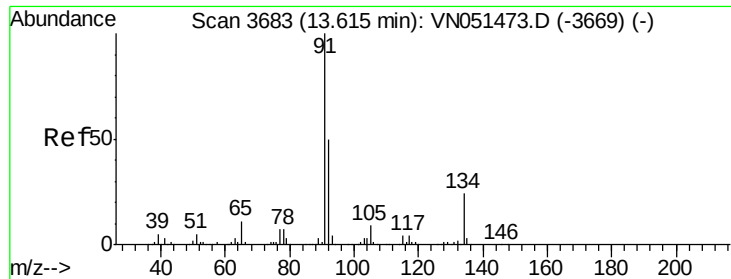
MMDadoda
 10/1/2018 11:21:30 AM



#84
 1,4-Dichlorobenzene
 Concen: 5.145 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	17.4	52.2
148	63.6	32.8	98.3





#85

n-Butylbenzene

Concen: 4.257 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

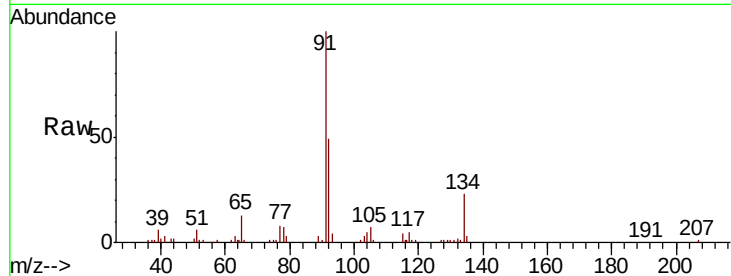
ClientSampled :

VSTDIC005

Tot Ion:	91	Resp:	60458
Ion Ratio	Lower	Upper	
91	100		
92	49.4	0.0	97.4
134	23.5	0.0	49.6

Manual Integrations
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MMDadoda
10/1/2018 11:21:30 AM

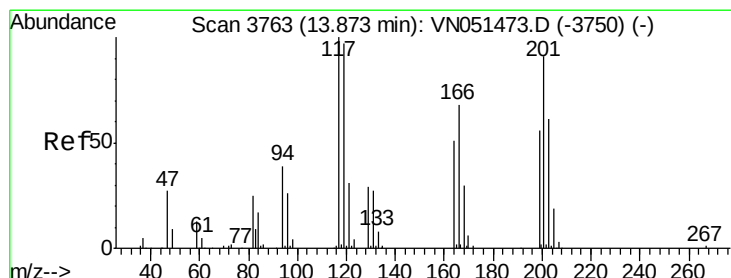
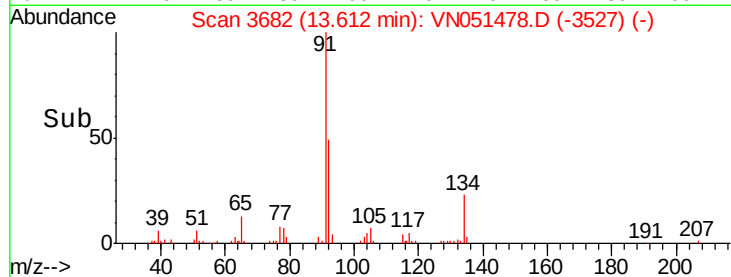
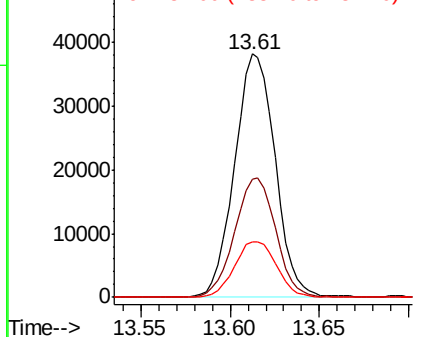


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V



#86

Hexachloroethane

Concen: 6.167 ug/l

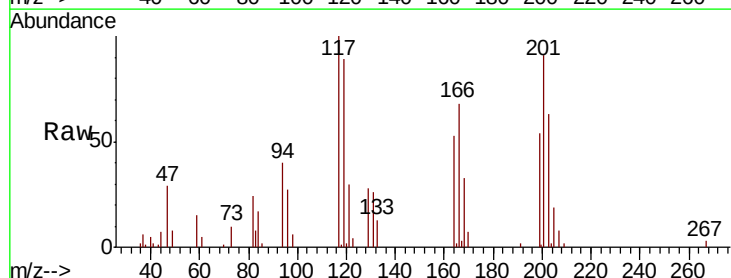
RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

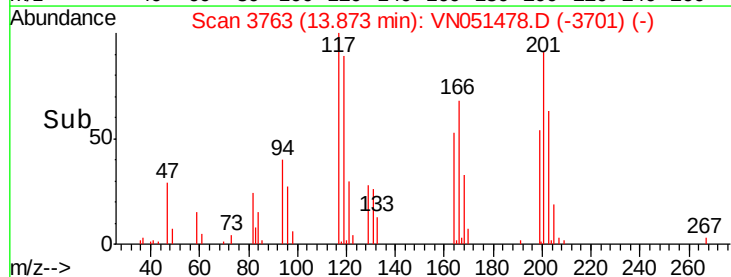
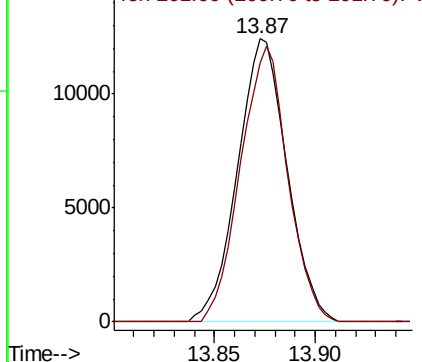
Tgt Ion:	117	Resp:	21373
Ion Ratio	Lower	Upper	
117	100		
201	92.7	47.8	143.3

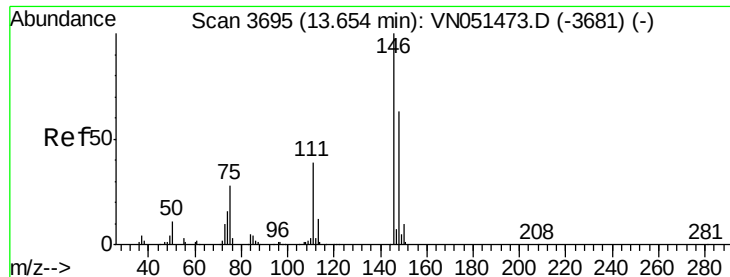


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





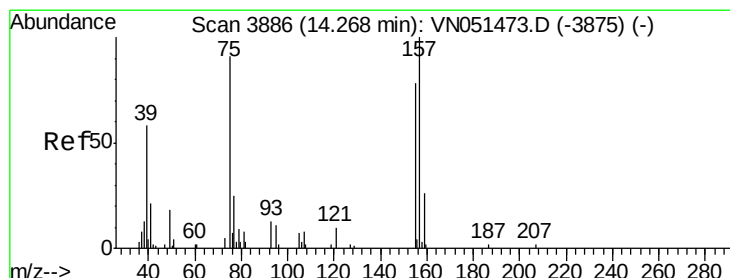
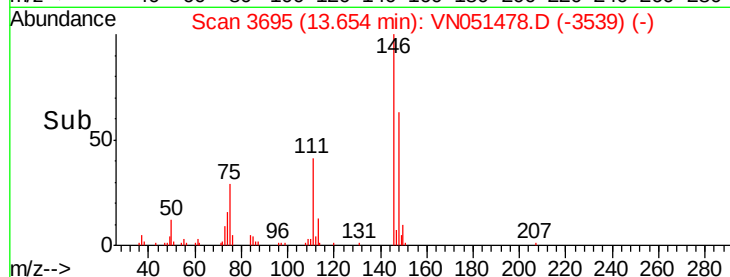
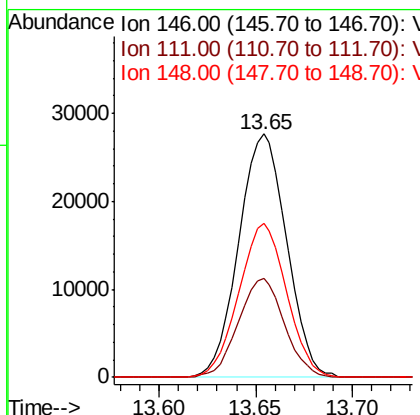
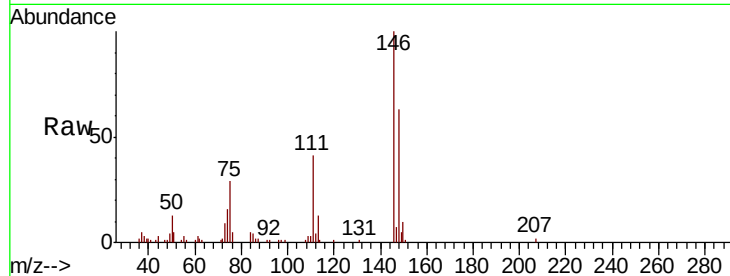
#87
 1,2-Dichlorobenzene
 Concen: 5.593 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	63.2	33.2	99.6

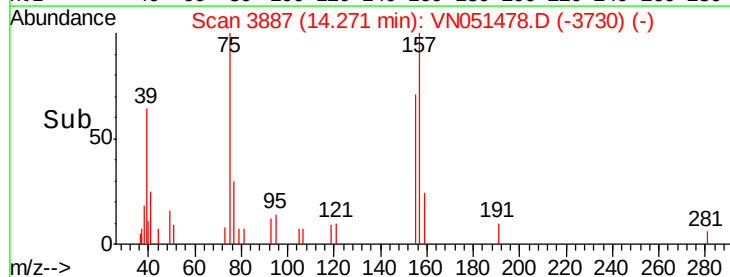
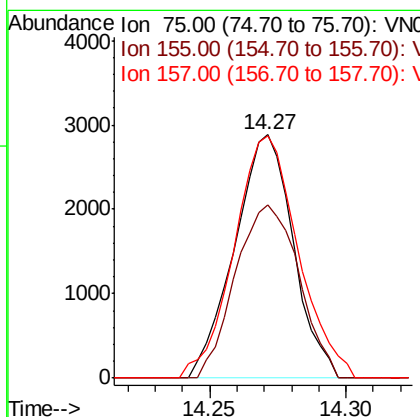
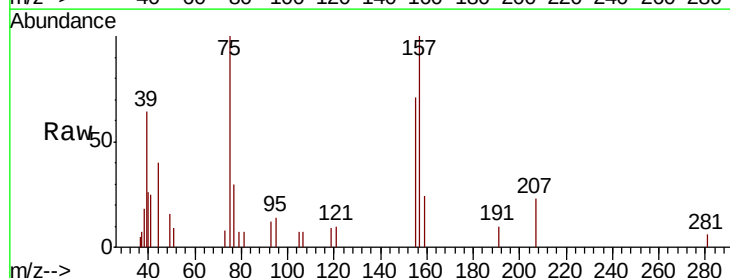
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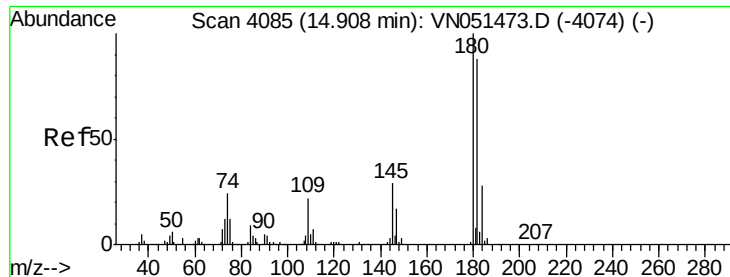
MMDadoda
 10/1/2018 11:21:30 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 6.092 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.01 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	57.0	85.6
157	108.8	87.4	131.0





#89

1,2,4-Trichlorobenzene

Concen: 3.421 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

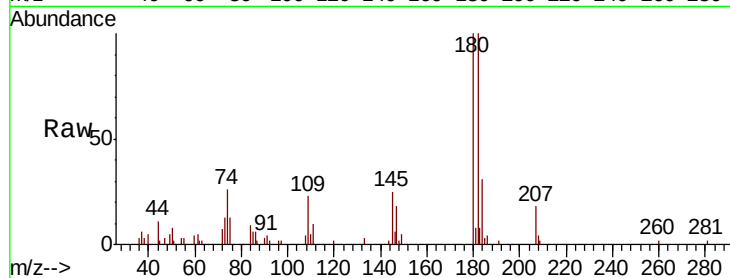
ClientSampleId :

VSTDIC005

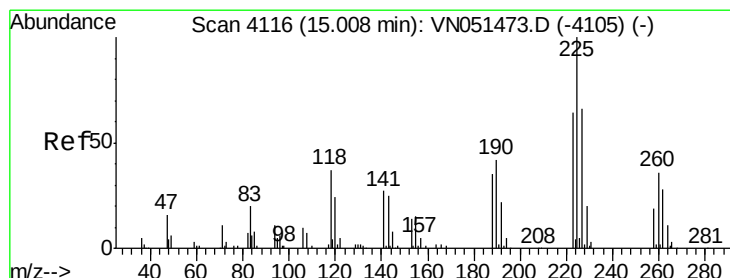
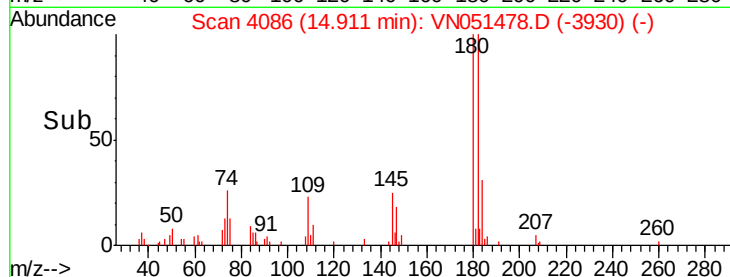
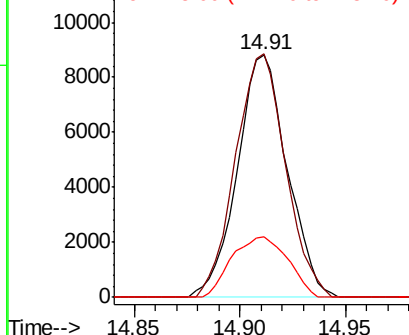
Tot Ion:	180	Resp:	14476
Ion Ratio	Lower	Upper	
180	100		
182	100.8	77.7	116.5
145	28.1	23.4	35.2

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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 6.248 ug/l

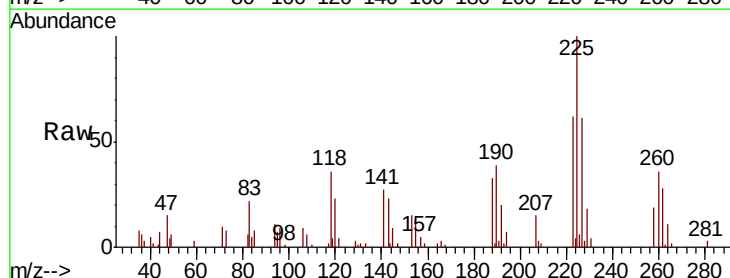
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

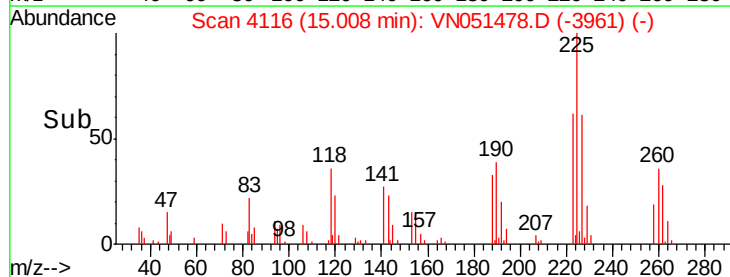
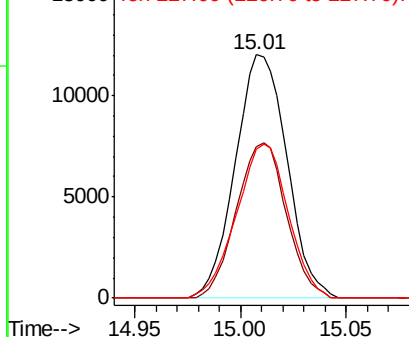
Lab File: VN051478.D

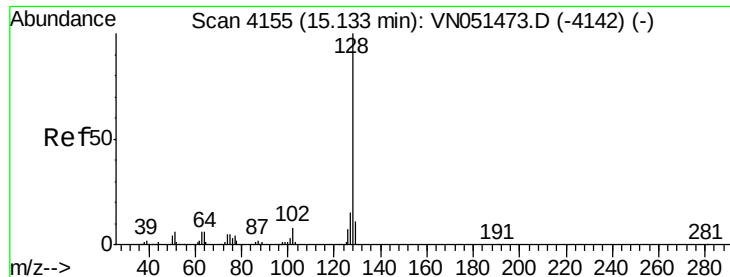
Acq: 25 Sep 2018 11:38

Tgt Ion:	225	Resp:	20492
Ion Ratio	Lower	Upper	
225	100		
223	61.5	0.0	117.0
227	63.4	0.0	127.0



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





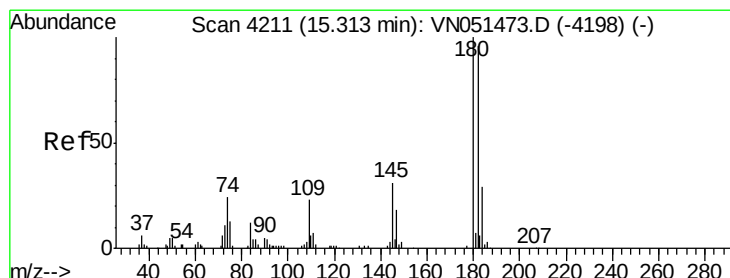
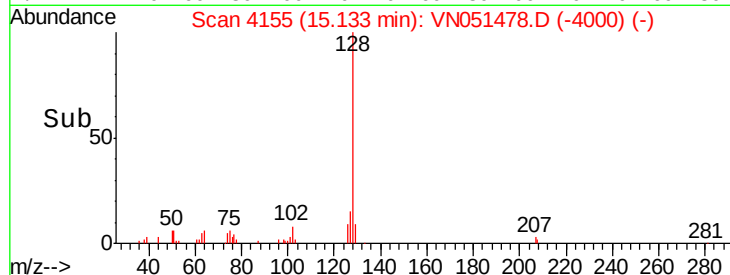
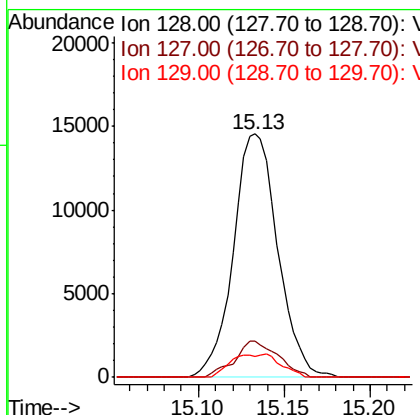
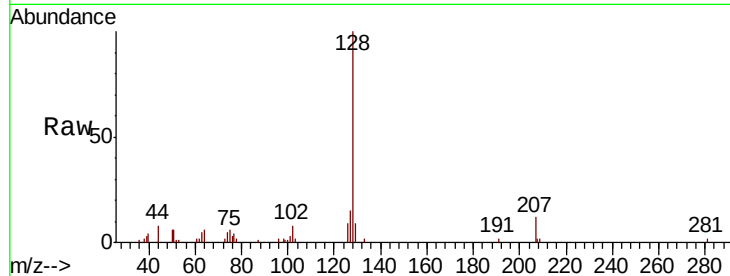
#91
Naphthalene
Concen: 3.273 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	128	Resp:	26133
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.1	15.1
129	5.7	8.4	12.6#

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#92
1,2,3-Trichlorobenzene
Concen: 4.271 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion:	180	Resp:	18243
Ion Ratio	Lower	Upper	
180	100		
182	96.4	0.0	198.0
145	28.8	0.0	36.8

