

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057579.D
 Acq On : 30 Aug 2019 10:24
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:31 AM

Quant Time: Aug 30 23:52:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	113204	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	666806	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	622584	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	246332	23.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	77.97%
60) 4-Bromofluorobenzene	12.40	95	299278	29.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.50%
63) Toluene-d8	10.08	98	841857	27.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	569976	95.448 ug/l	97
3) Chloromethane	2.06	50	478698	58.490 ug/l	99
4) Vinyl Chloride	2.18	62	754107	70.744 ug/l	98
5) Bromomethane	2.54	94	662861	89.409 ug/l	99
6) Chloroethane	2.69	64	489775	67.452 ug/l	98
7) Trichlorofluoromethane	3.01	101	1610247	88.093 ug/l	99
8) Diethyl Ether	3.40	74	498599	73.442 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	951202	90.630 ug/l	94
10) 1,1-Dichloroethene	3.72	96	882033	88.293 ug/l	100
11) Methyl Iodide	3.93	142	1607472	146.035 ug/l	100
12) Methyl Acetate	4.31	43	445458	49.245 ug/l	98
13) Acrolein	3.59	56	300356	264.764 ug/l	95
14) Acrylonitrile	4.97	53	981679	308.095 ug/l #	91
15) Acetone	3.81	58	474609	315.403 ug/l	99
16) Carbon Disulfide	4.03	76	965776	59.922 ug/l	99
17) Allyl chloride	4.30	41	652924	53.600 ug/l	97
18) Methylene Chloride	4.53	84	519130	74.773 ug/l	98
19) trans-1,2-Dichloroethene	5.02	96	520320	78.721 ug/l	98
20) Diisopropyl ether	5.94	45	1599441	60.777 ug/l	94
21) 1,1-Dichloroethane	5.83	63	984239	70.182 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	731373	90.459 ug/l	94
23) tert-Butyl Alcohol	4.80	59	350429	300.941 ug/l	100
24) Methyl tert-Butyl Ether	5.03	73	1680430	76.879 ug/l	95
25) Chloroform	7.36	83	1275282	88.593 ug/l	98
26) Cyclohexane	7.64	56	848015	68.234 ug/l #	91
29) 1,1-Dichloropropene	7.78	75	873109	79.522 ug/l	99
30) 2-Butanone	6.83	43	1324654	265.841 ug/l #	95
31) 2,2-Dichloropropane	6.81	77	1016699	80.867 ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	1178321	91.595 ug/l	97
33) Carbon Tetrachloride	7.76	117	1031272	96.324 ug/l	99
34) Benzene	8.03	78	2653907	82.119 ug/l #	90
35) Methacrylonitrile	7.16	41	270669	54.569 ug/l	92
36) 1,2-Dichloroethane	8.11	62	933252	73.810 ug/l	99
37) Trichloroethene	8.82	130	766094	99.803 ug/l	95
38) Methylcyclohexane	9.07	83	1094768	87.273 ug/l	95
39) 1,2-Dichloropropane	9.11	63	622222	69.458 ug/l	98
40) Dibromomethane	9.20	93	487168	85.376 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1048610	87.001	ug/l	98
42) Vinyl Acetate	5.88	43	6002855	266.951	ug/l #	94
43) Ethyl Acetate	6.92	43	551993	56.672	ug/l	95
44) Isopropyl Acetate	8.16	43	1064228	56.972	ug/l	99
45) 1,4-Dioxane	9.20	88	191244	1618.163	ug/l	97
46) Methyl methacrylate	9.19	41	476199	53.514	ug/l	88
47) n-amyl Acetate	12.07	43	927275	60.910	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1060755	84.324	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	1126546	81.825	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	711493	94.639	ug/l	99
51) Ethyl methacrylate	10.43	69	955350	79.179	ug/l	89
52) 1,3-Dichloropropane	10.71	76	1098126	81.895	ug/l	97
53) Dibromochloromethane	10.90	129	863897	107.039	ug/l	99
54) 1,2-Dibromoethane	11.00	107	765648	98.802	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	1304402	431.100	ug/l	97
56) Bromoform	12.13	173	592335	120.310	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	2844372	255.752	ug/l #	92
59) 2-Hexanone	10.75	43	2070285	268.694	ug/l	93
61) Tetrachloroethene	10.63	164	736399	100.927	ug/l	97
62) Toluene	10.15	91	3016269	81.292	ug/l	95
64) Chlorobenzene	11.43	112	2027505	97.902	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	807380	102.610	ug/l	97
66) Ethyl Benzene	11.51	91	3179227	79.492	ug/l #	80
67) m/p-Xylenes	11.62	106	2799295m	198.470	ug/l	
68) o-Xylene	11.95	106	1392708	100.357	ug/l	88
69) Styrene	11.96	104	2333436	104.159	ug/l	97
70) Isopropylbenzene	12.25	105	3293737	87.786	ug/l	91
71) 1,1,2,2-Tetrachloroethane	12.51	83	904283	86.047	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	759620m	80.307	ug/l	
73) Bromobenzene	12.53	156	918129	117.936	ug/l	95
74) n-propylbenzene	12.59	91	3457323	81.912	ug/l	88
75) 2-Chlorotoluene	12.68	91	2362793	95.101	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	2926068	94.999	ug/l	91
77) t-1,4-Dichloro-2-butene	12.30	75	270987	83.297	ug/l	86
78) 4-Chlorotoluene	12.77	91	2386153	100.142	ug/l	95
79) tert-butylbenzene	12.99	119	2680134	101.242	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2876551	99.350	ug/l	88
81) sec-Butylbenzene	13.17	105	3215981	92.643	ug/l	92
82) p-Isopropyltoluene	13.29	119	3013279	101.808	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	1646574	134.939	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	1577508	132.749	ug/l	98
85) n-Butylbenzene	13.62	91	2509686	99.472	ug/l	94
86) Hexachloroethane	13.88	117	595325	103.842	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	1547932	129.194	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	148656	85.459	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	640267	143.012	ug/l	99
90) Hexachlorobutadiene	15.01	225	433776	125.041	ug/l	98
91) Naphthalene	15.13	128	1804411	128.172	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	629368	142.388	ug/l	96

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QLast Update : Fri Aug 30 23:13:27 2019
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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

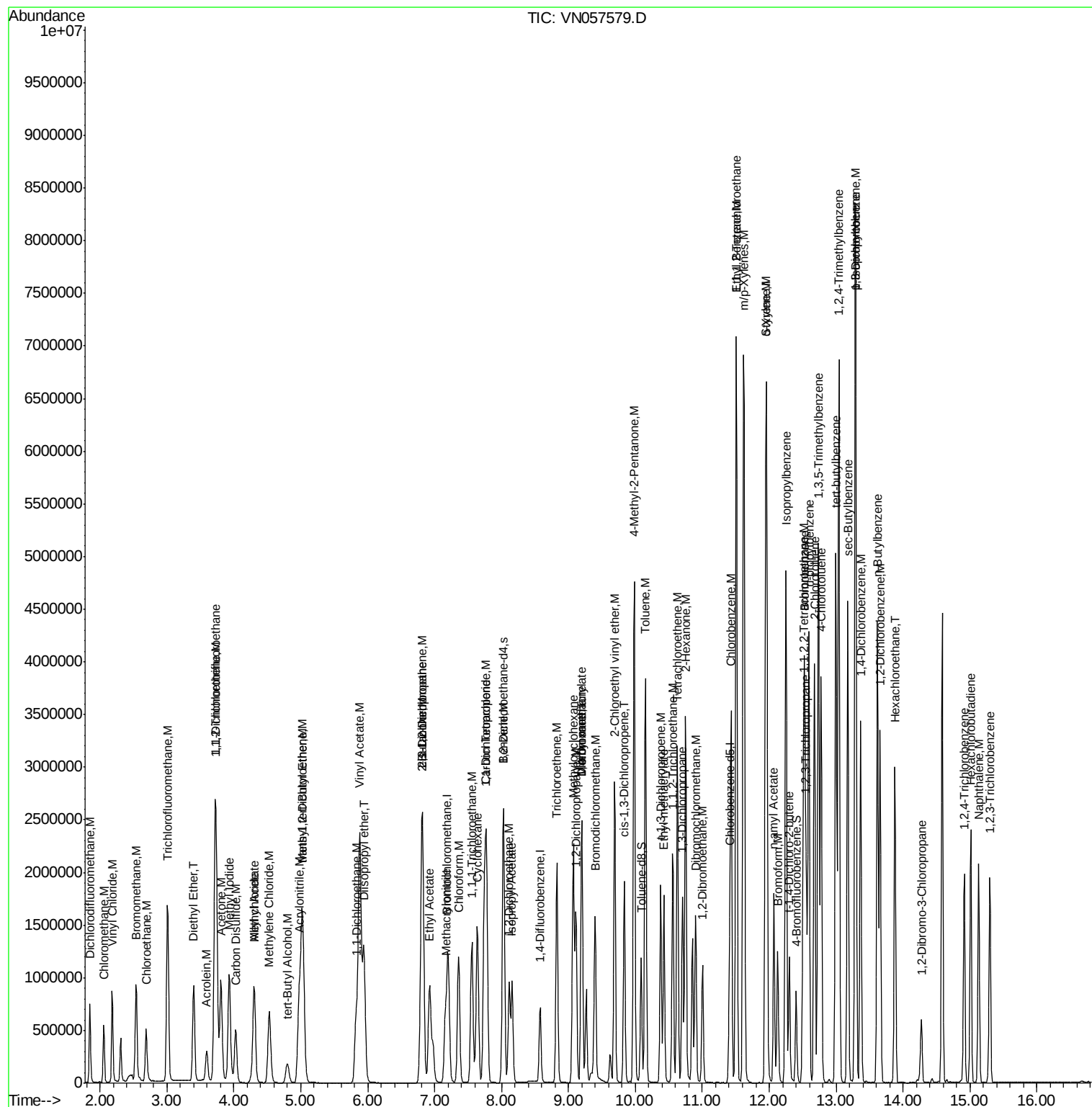
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
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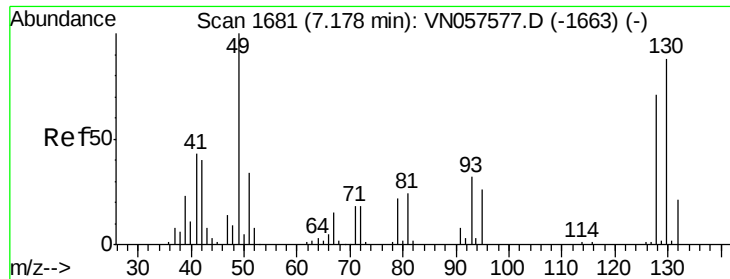
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

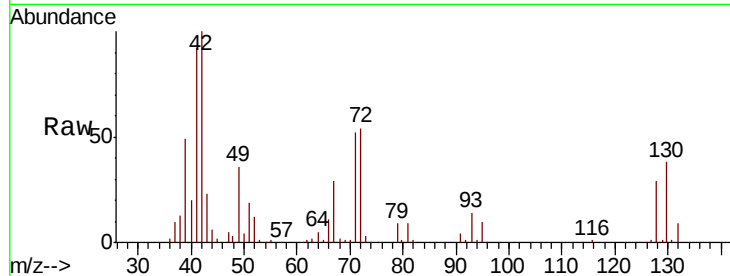
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	113204		
49	126.6	0.0	352.3	
130	131.9	0.0	324.7	

Manual Integrations
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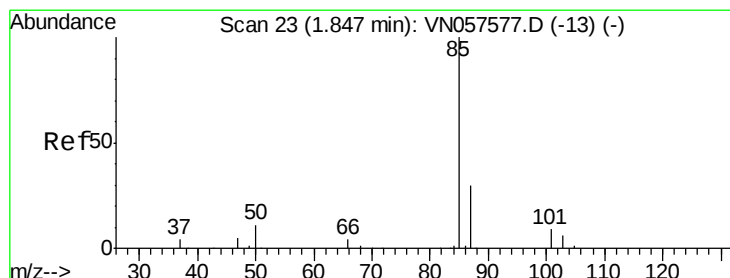
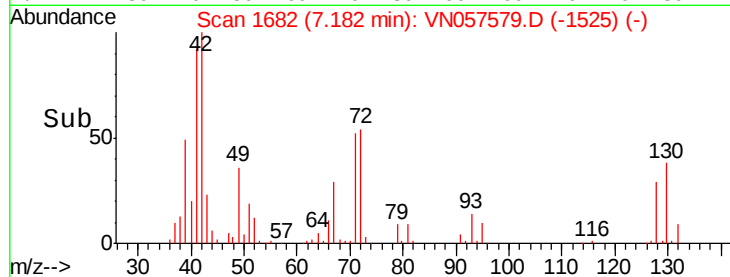
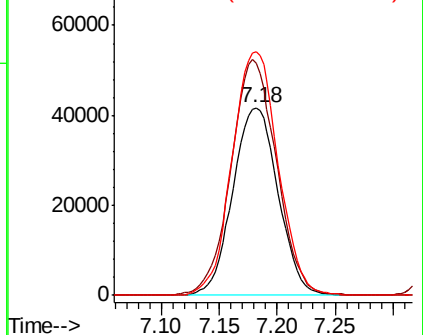


Abundance

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: 95.448 ug/l

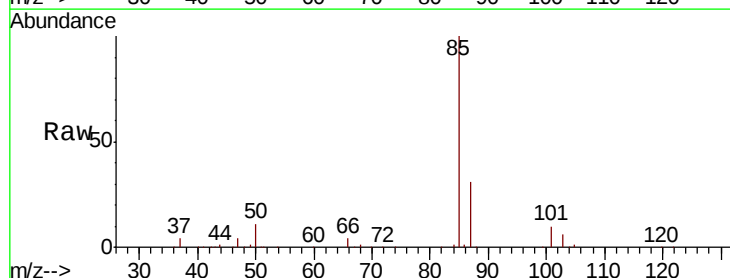
RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

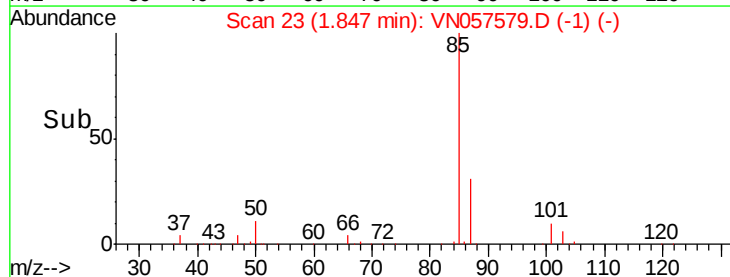
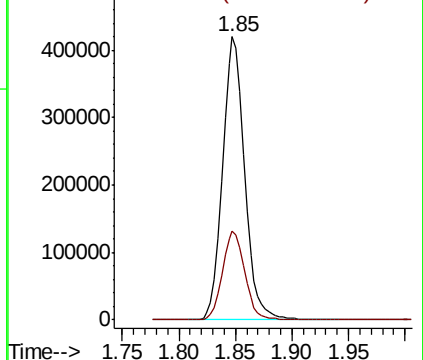
Tgt Ion	Ratio	Resp	Lower	Upper
85	100	569976		
87	31.4	15.0	45.0	

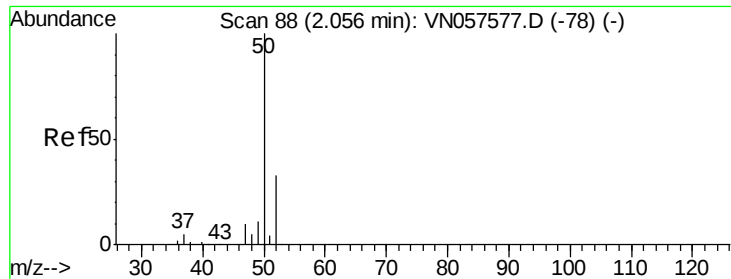


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 58.490 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 478698

Ion Ratio Lower Upper

50 100

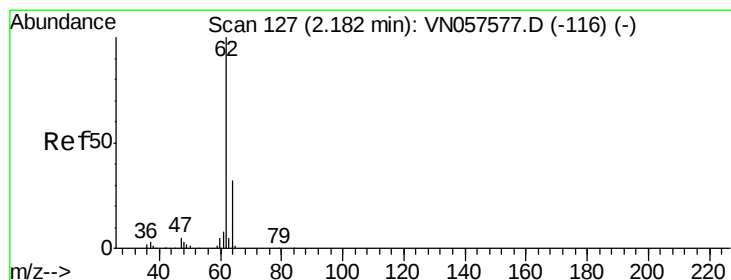
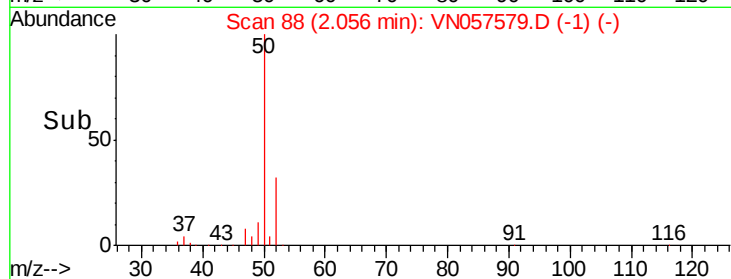
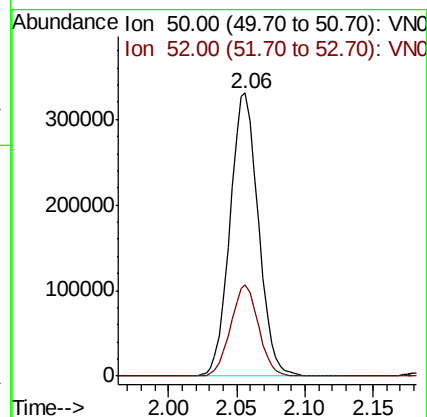
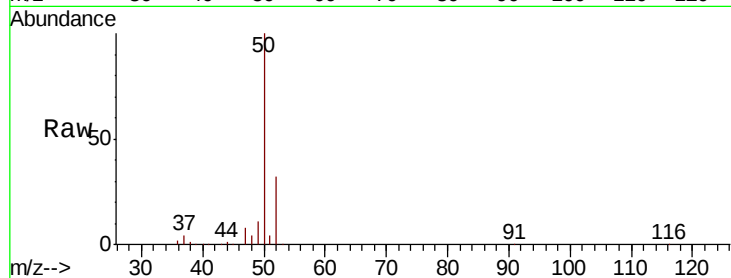
52 32.4 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 70.744 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057579.D

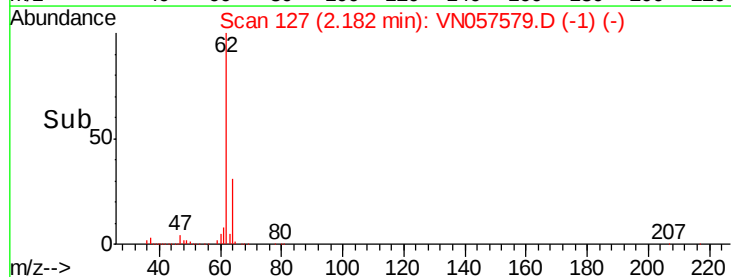
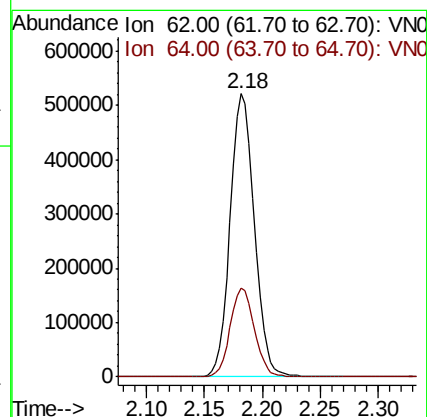
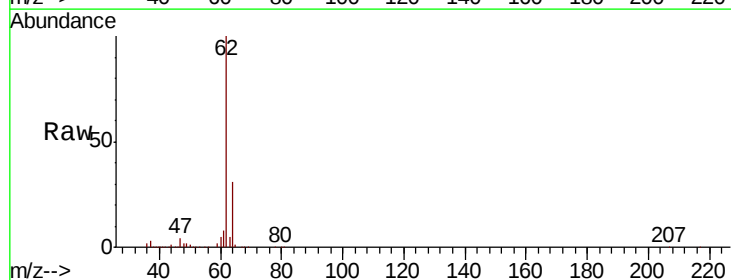
Acq: 30 Aug 2019 10:24

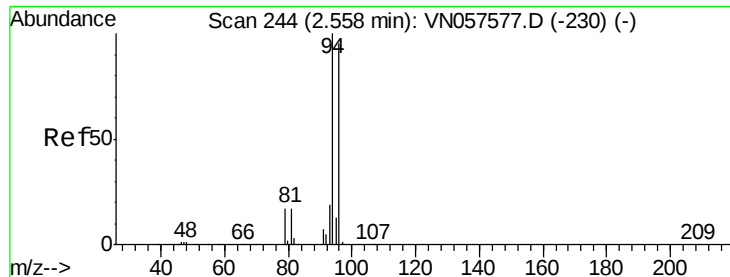
Tgt Ion: 62 Resp: 754107

Ion Ratio Lower Upper

62 100

64 31.4 25.9 38.9





#5

Bromomethane

Concen: 89.409 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.02 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

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Tgt Ion: 94 Resp: 662861

Ion Ratio Lower Upper

94 100

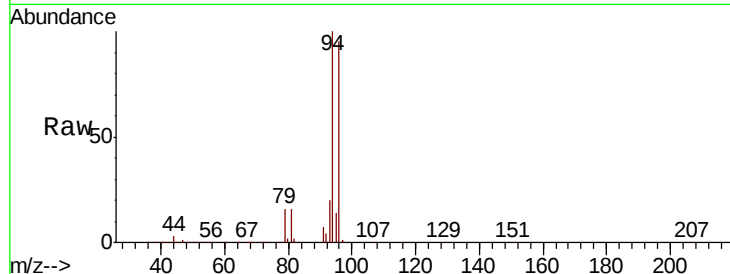
96 94.8 76.2 114.4

Manual Integrations

APPROVED

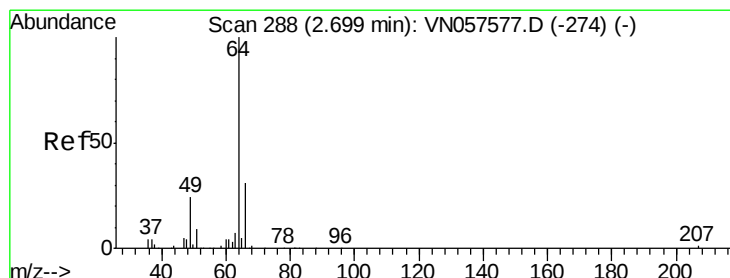
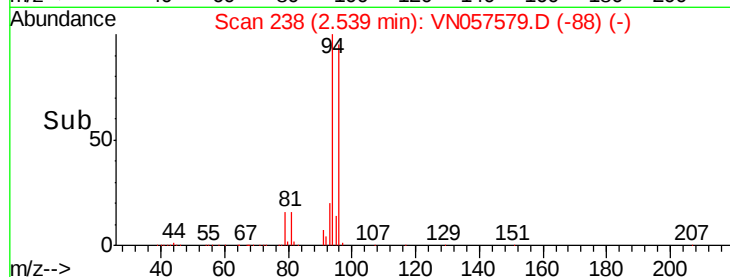
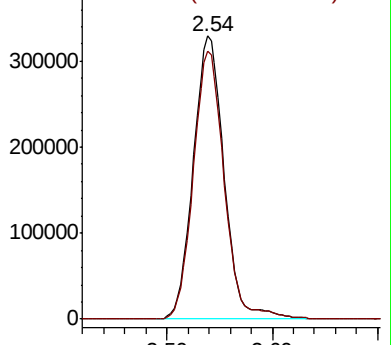
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8/31/2019 10:00:31 AM



Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 67.452 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.01 min

Lab File: VN057579.D

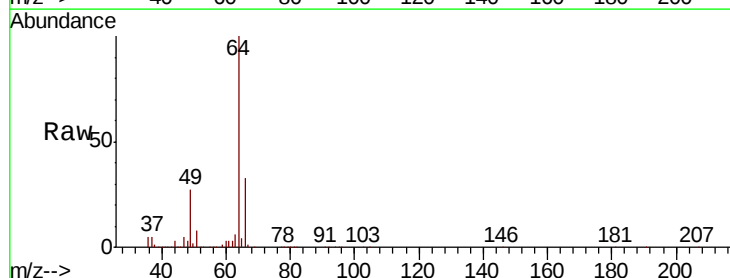
Acq: 30 Aug 2019 10:24

Tgt Ion: 64 Resp: 489775

Ion Ratio Lower Upper

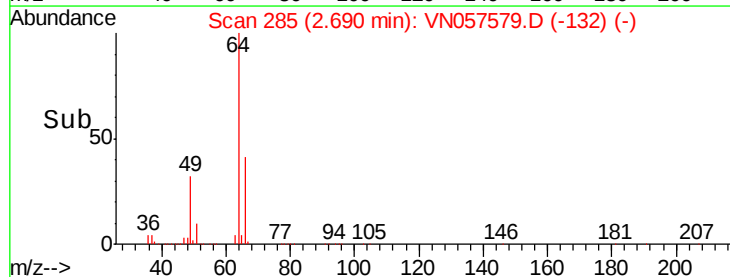
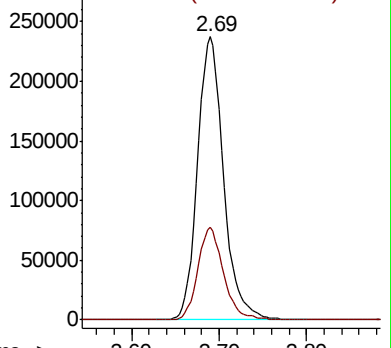
64 100

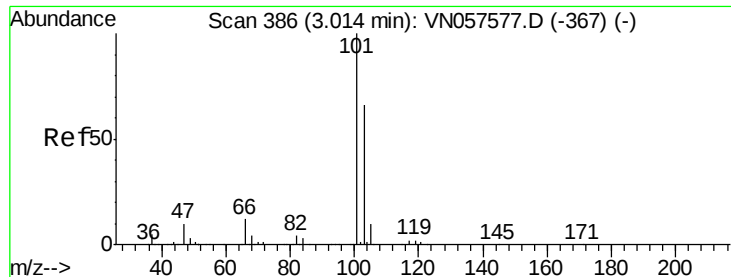
66 32.6 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

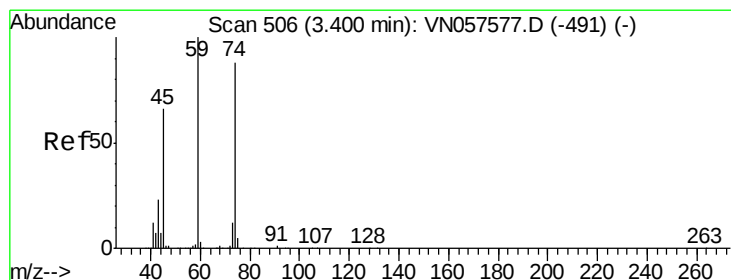
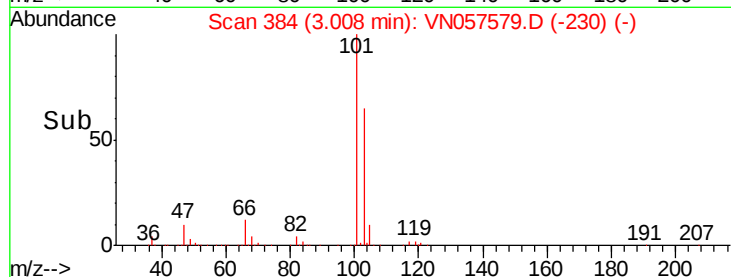
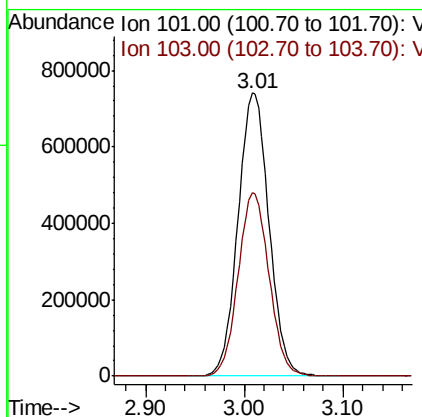
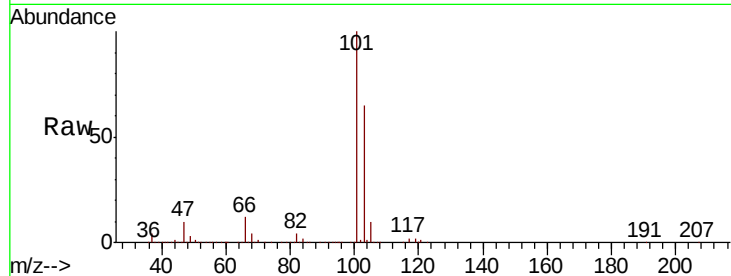
Trichlorofluoromethane
Concen: 88.093 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.01 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 101 Resp: 1610247
Ion Ratio Lower Upper
101 100
103 65.0 52.4 78.6

Manual Integrations
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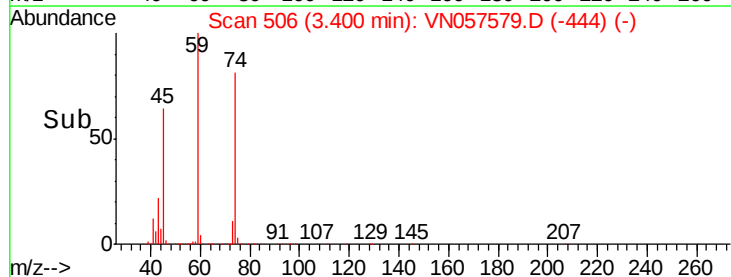
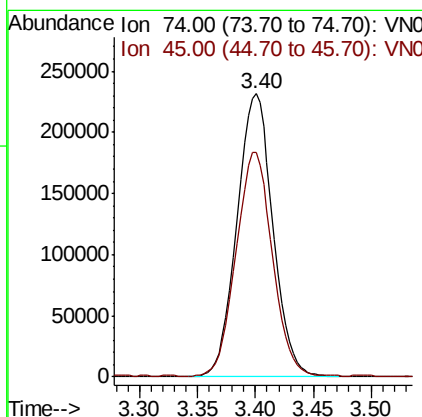
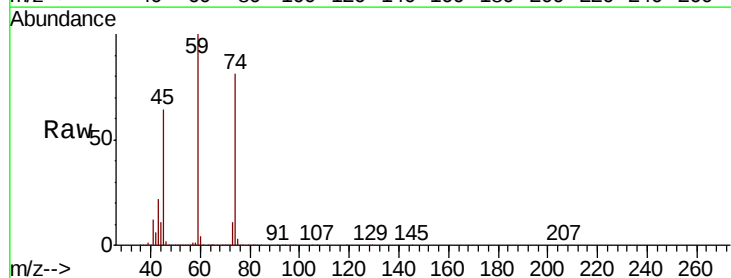
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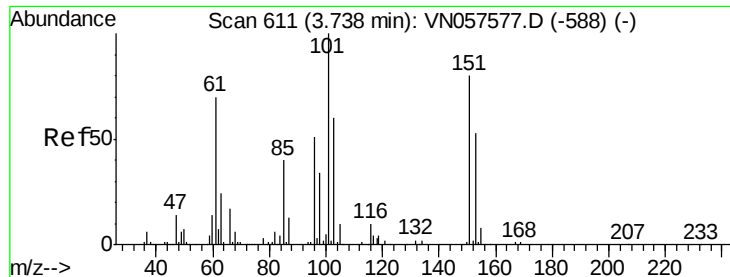


#8

Diethyl Ether
Concen: 73.442 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 74 Resp: 498599
Ion Ratio Lower Upper
74 100
45 79.7 15.2 137.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.630 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

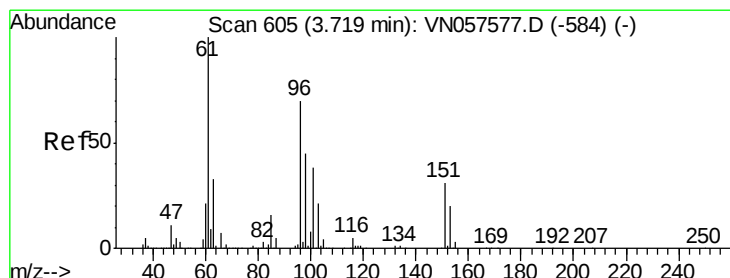
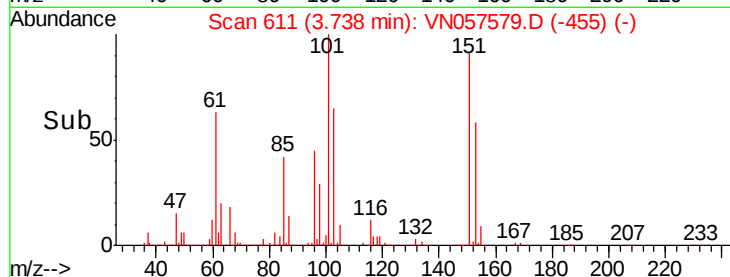
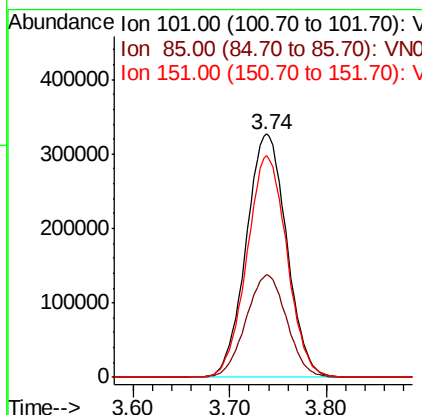
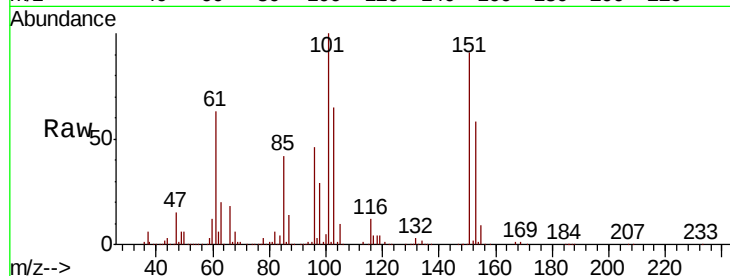
ClientSampleId :

VSTDIC100

Tgt Ion:	101	Resp:	951202
Ion Ratio	Lower	Upper	
101	100		
85	42.5	0.0	83.2
151	90.1	0.0	166.6

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#10

1,1-Dichloroethene

Concen: 88.293 ug/l

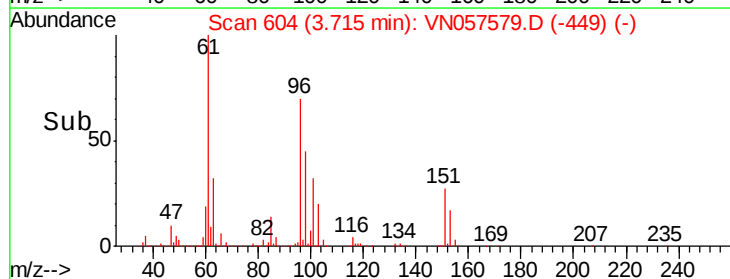
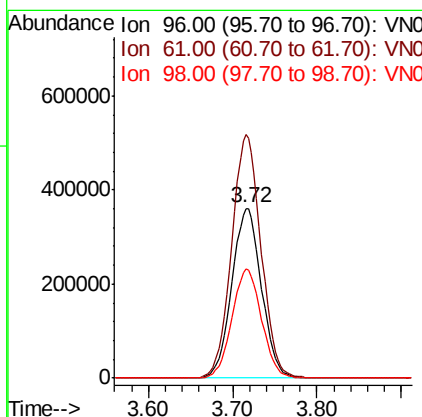
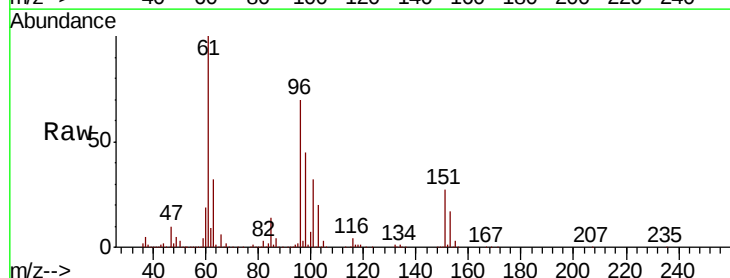
RT: 3.72 min Scan# 604

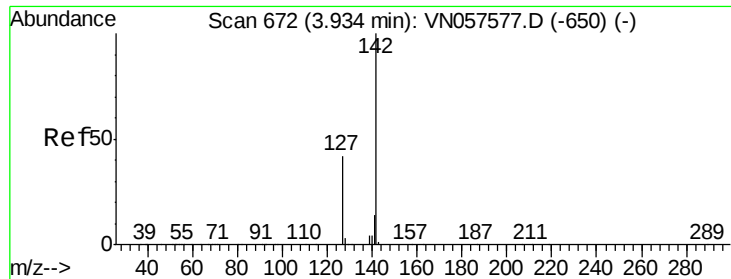
Delta R.T. -0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Tgt Ion:	96	Resp:	882033
Ion Ratio	Lower	Upper	
96	100		
61	143.4	114.2	171.4
98	64.3	51.8	77.6





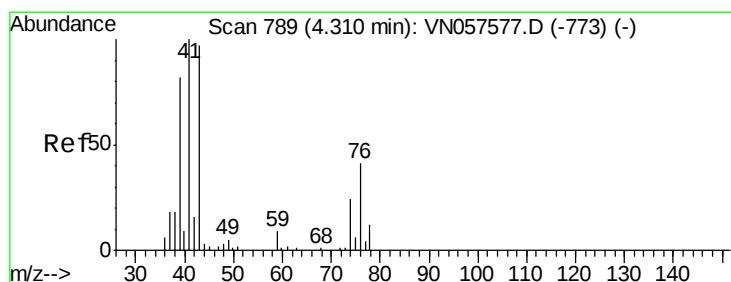
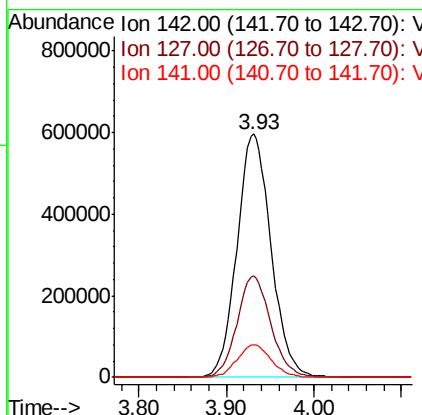
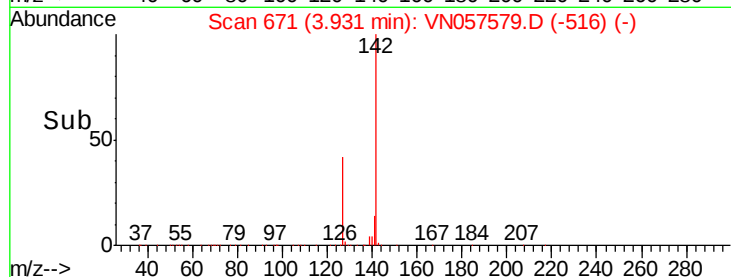
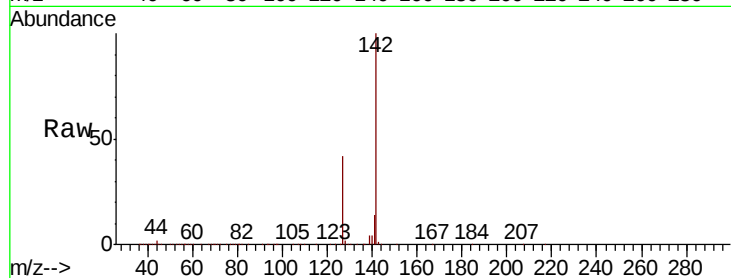
#11
Methyl Iodide
Concen: 146.035 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.5	20.8	62.4
141	13.5	6.8	20.4

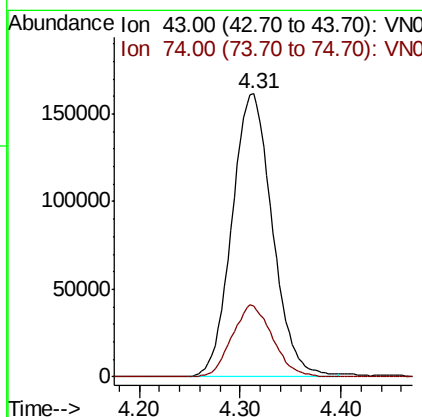
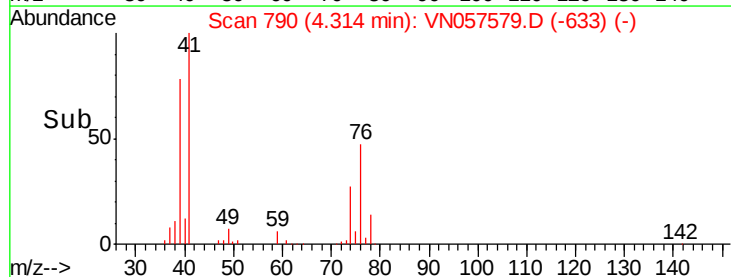
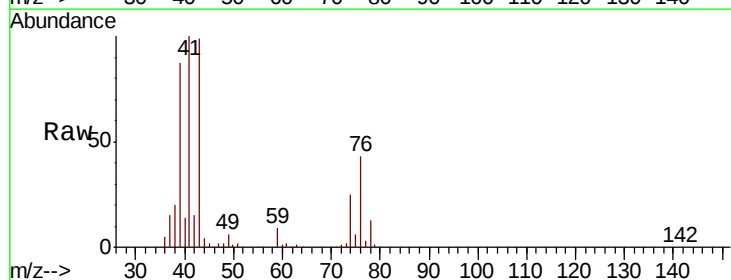
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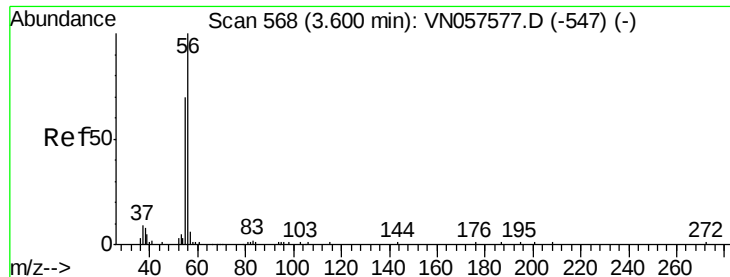
MMDadoda
8/31/2019 10:00:31 AM



#12
Methyl Acetate
Concen: 49.245 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.6	29.4





#13

Acrolein

Concen: 264.764 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 300356

Ion Ratio Lower Upper

56 100

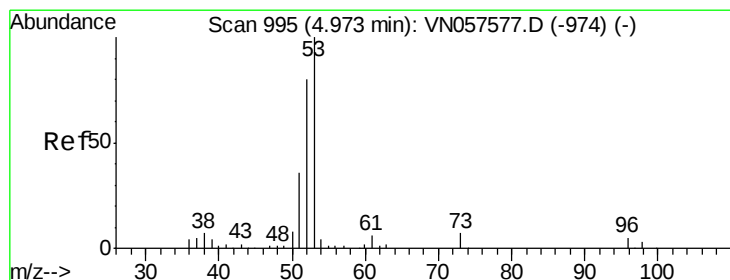
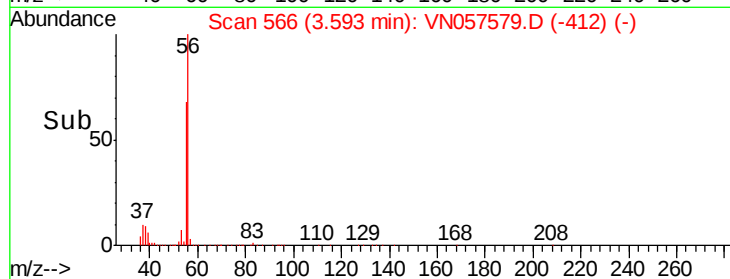
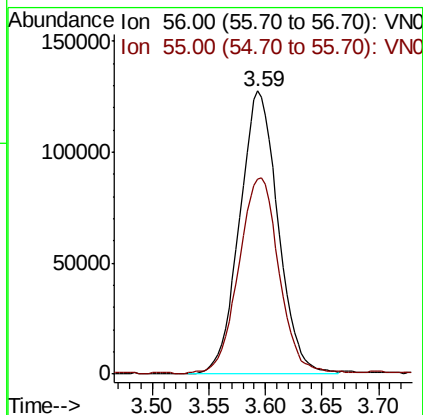
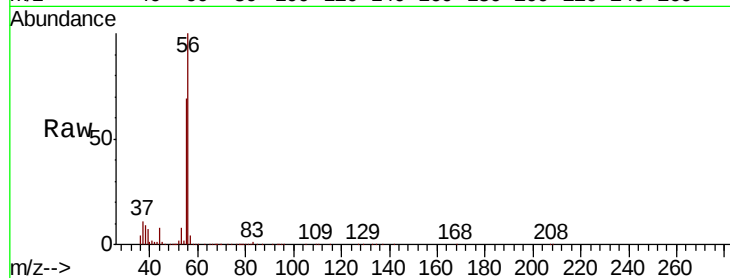
55 72.0 54.5 81.7

Manual Integrations

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#14

Acrylonitrile

Concen: 308.095 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

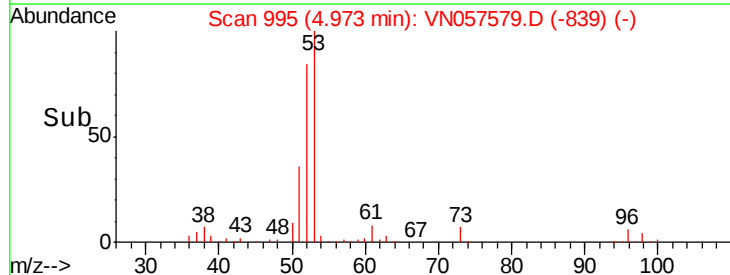
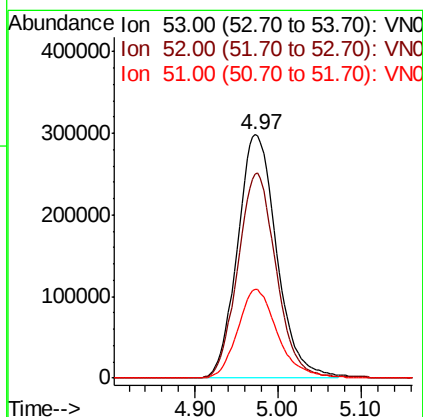
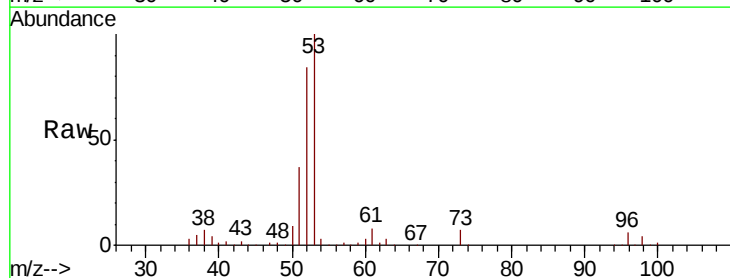
Tgt Ion: 53 Resp: 981679

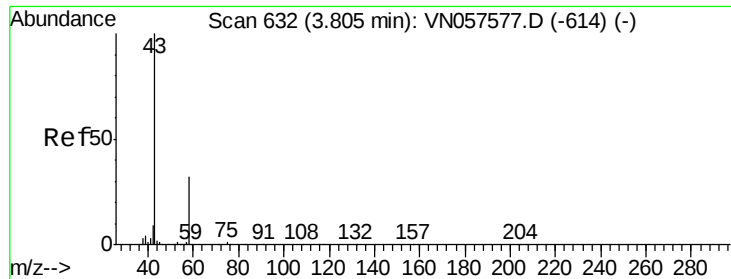
Ion Ratio Lower Upper

53 100

52 82.3 40.6 122.0

51 37.2 8.3 24.9#





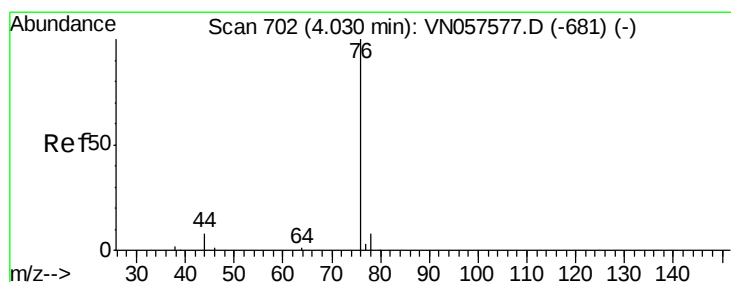
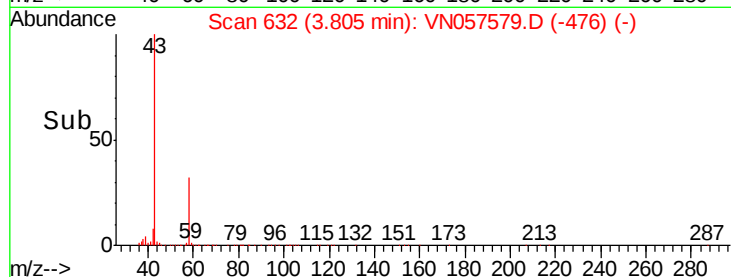
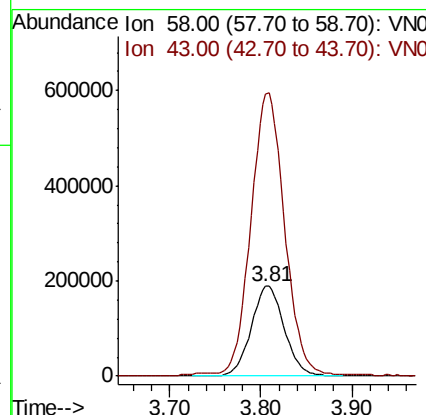
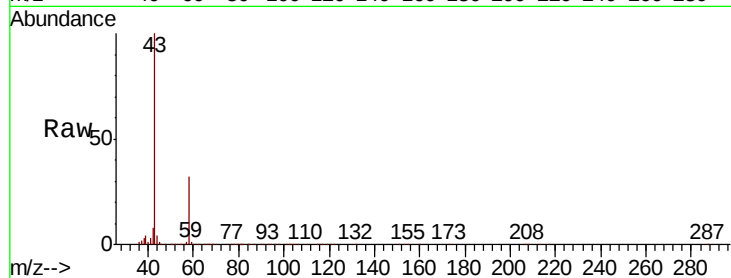
#15
Acetone
Concen: 315.403 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 58 Resp: 474609
Ion Ratio Lower Upper
58 100
43 313.4 252.8 379.2

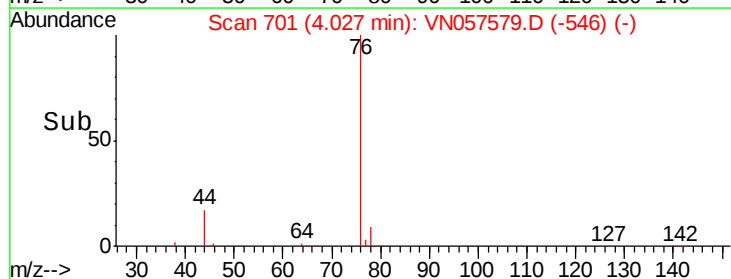
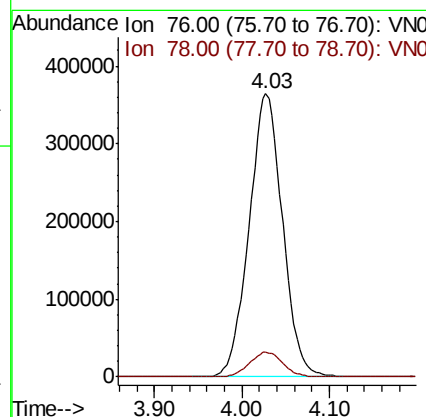
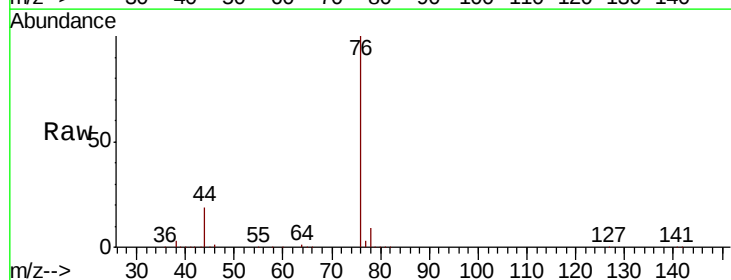
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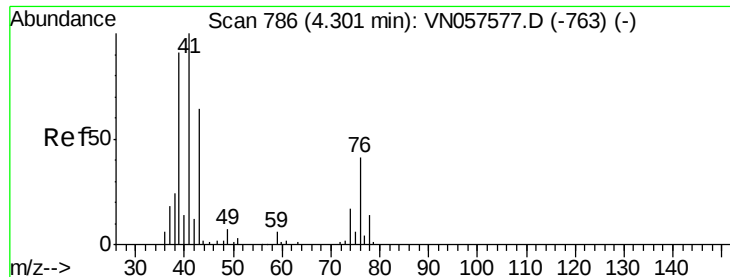
MMDadoda
8/31/2019 10:00:31 AM



#16
Carbon Disulfide
Concen: 59.922 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 76 Resp: 965776
Ion Ratio Lower Upper
76 100
78 8.8 6.7 10.1





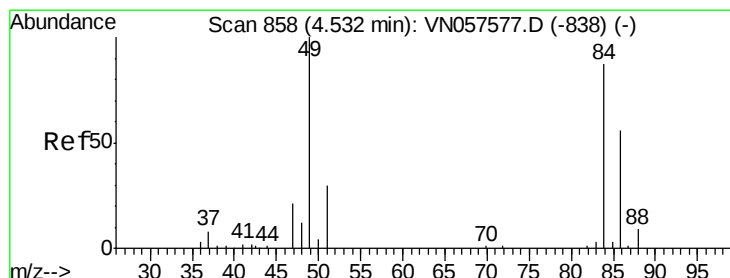
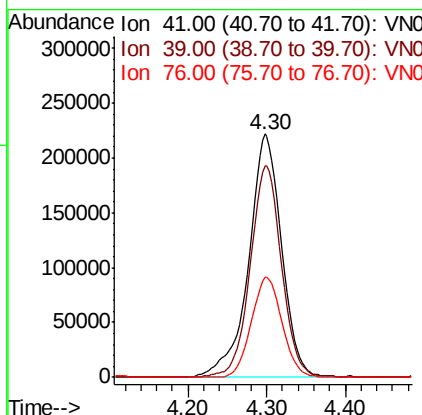
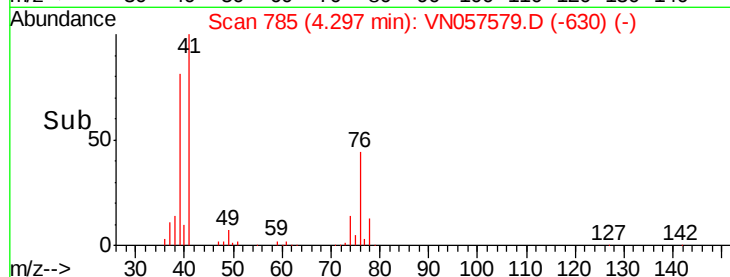
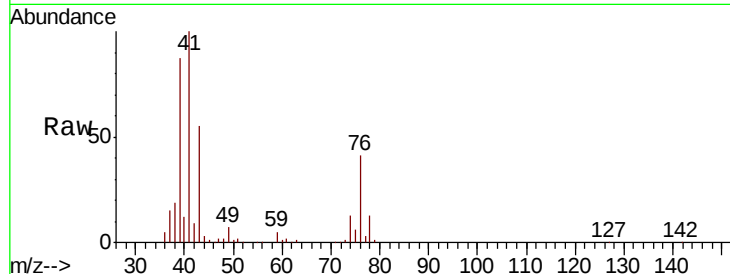
#17
 Allyl chloride
 Concen: 53.600 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:	41	Resp:	652924
Ion	Ratio	Lower	Upper
41	100		
39	86.8	44.6	134.0
76	41.3	19.8	59.3

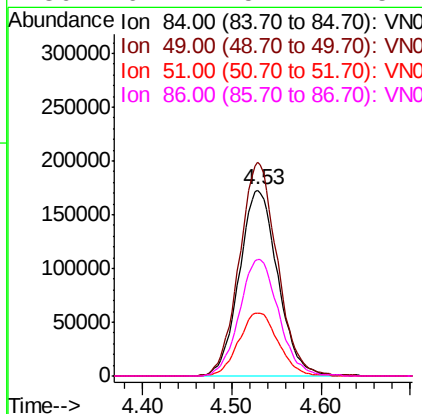
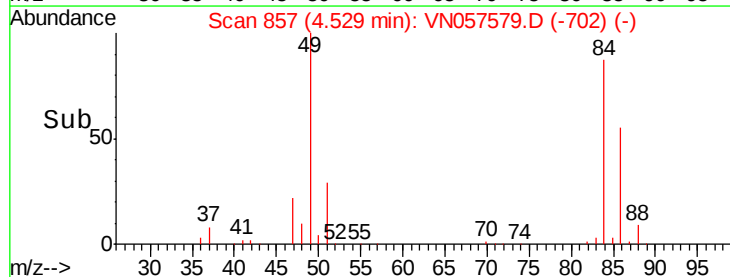
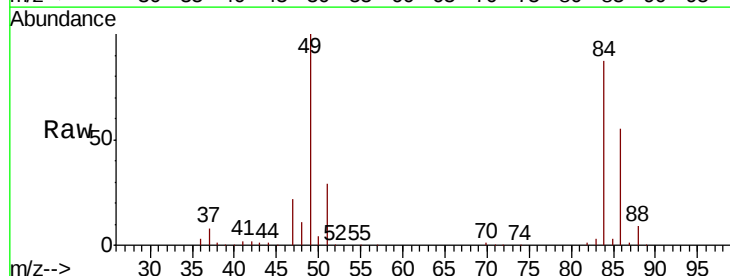
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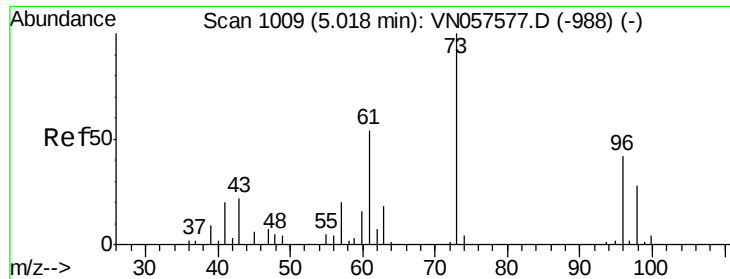
MMDadoda
 8/31/2019 10:00:31 AM



#18
 Methylene Chloride
 Concen: 74.773 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion:	84	Resp:	519130
Ion	Ratio	Lower	Upper
84	100		
49	114.8	92.4	138.6
51	33.5	27.9	41.9
86	62.7	52.2	78.2





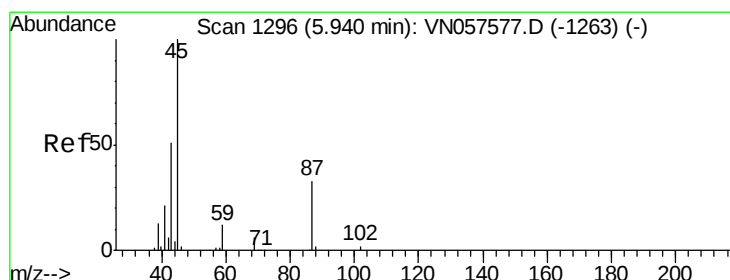
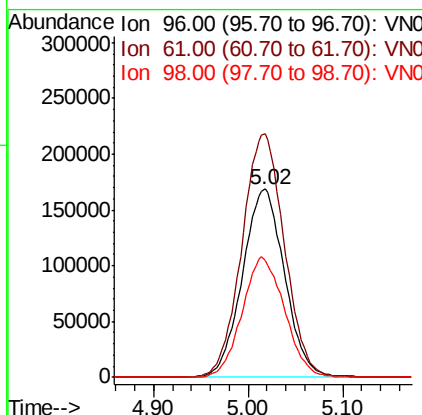
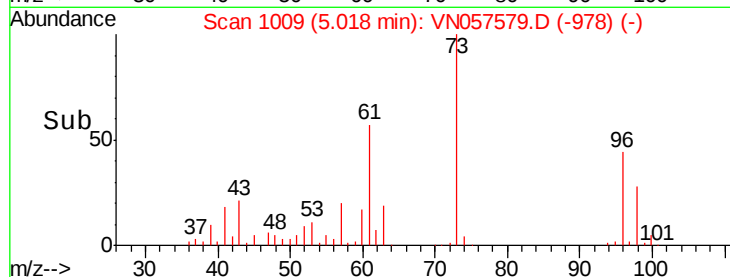
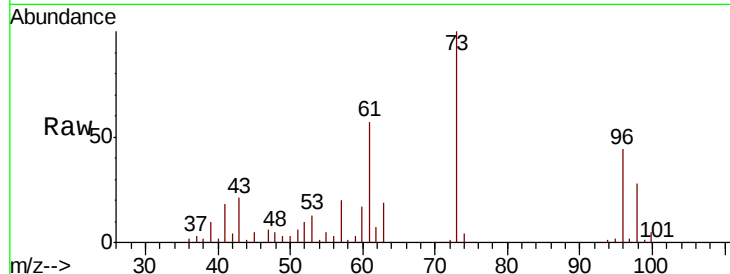
#19
trans-1,2-Dichloroethene
Concen: 78.721 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.6	102.6	153.8
98	62.4	52.6	79.0

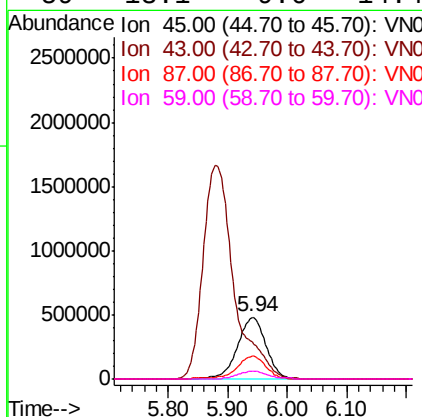
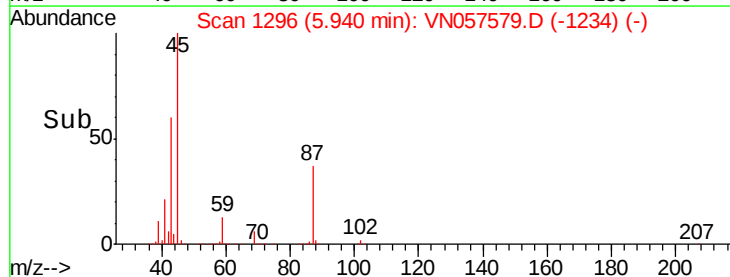
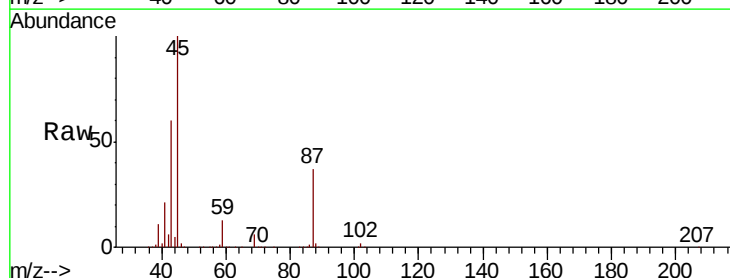
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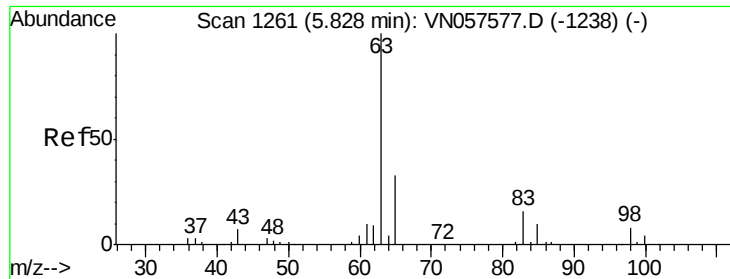
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#20
Diisopropyl ether
Concen: 60.777 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	51.9	77.9
87	37.2	27.3	40.9
59	13.1	9.6	14.4





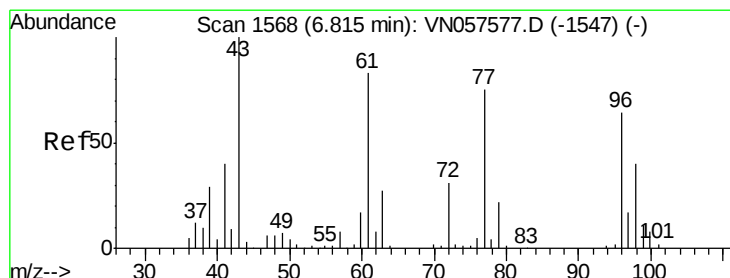
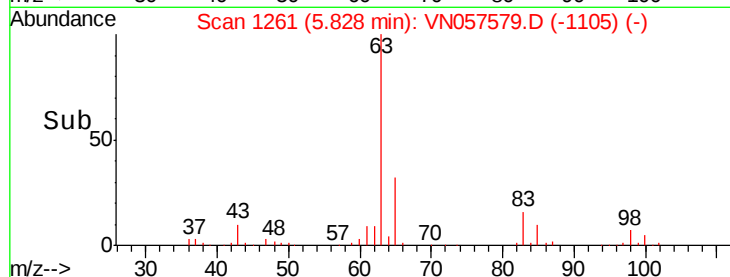
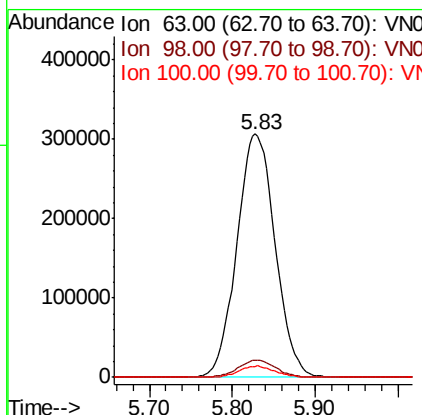
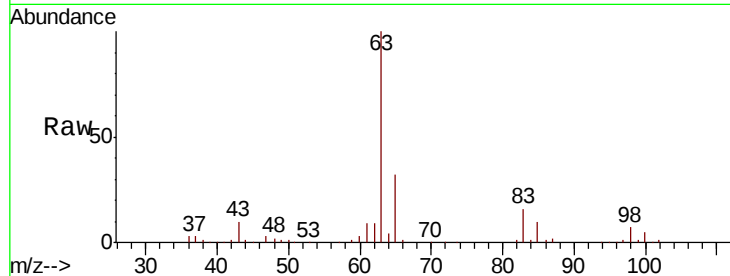
#21
 1,1-Dichloroethane
 Concen: 70.182 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	984239		
98	7.0	3.8	11.2	
100	4.6	2.0	6.0	

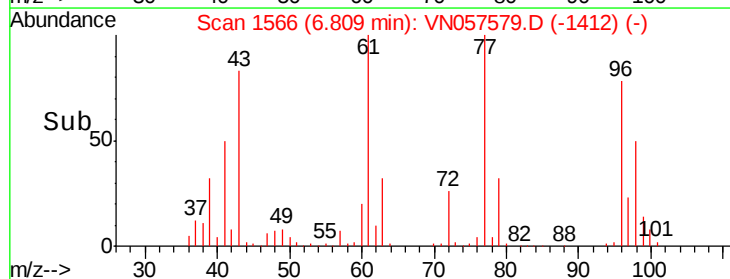
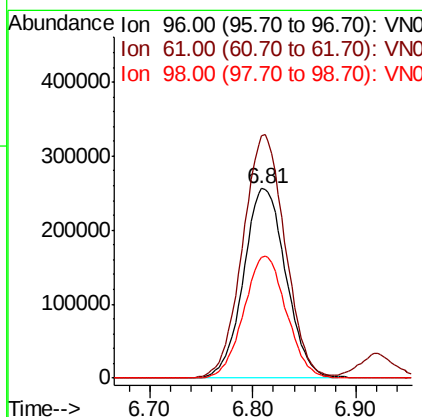
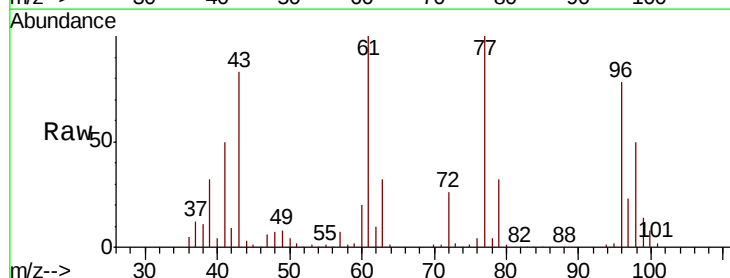
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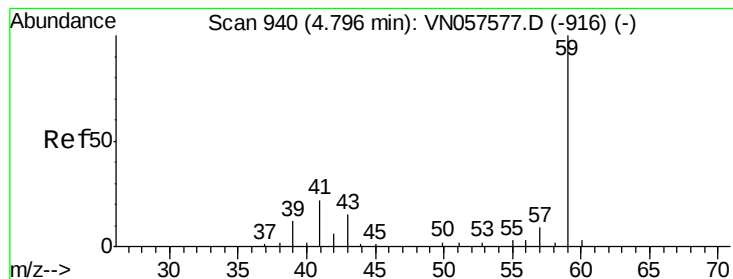
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 8/31/2019 10:00:31 AM



#22
 cis-1,2-Dichloroethene
 Concen: 90.459 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	731373		
61	128.7	110.5	165.7	
98	64.7	51.1	76.7	





#23

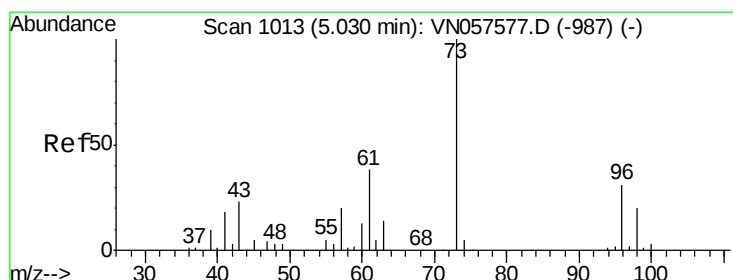
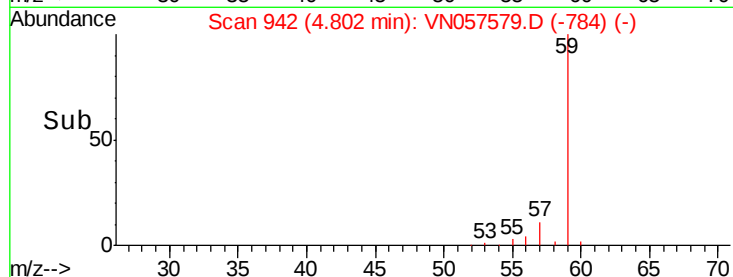
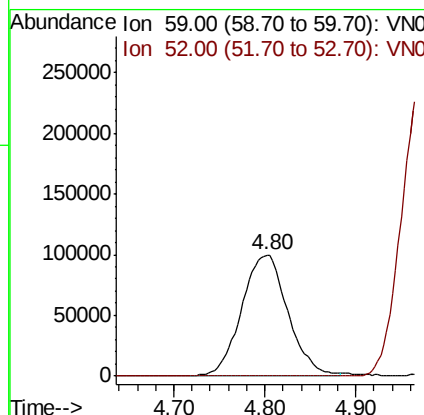
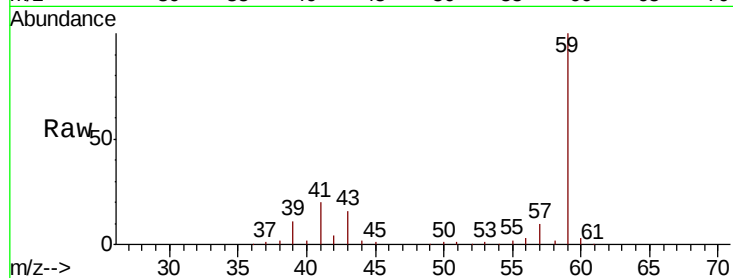
tert-Butyl Alcohol
 Concen: 300.941 ug/l
 RT: 4.80 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 59 Resp: 350429
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1

Manual Integrations
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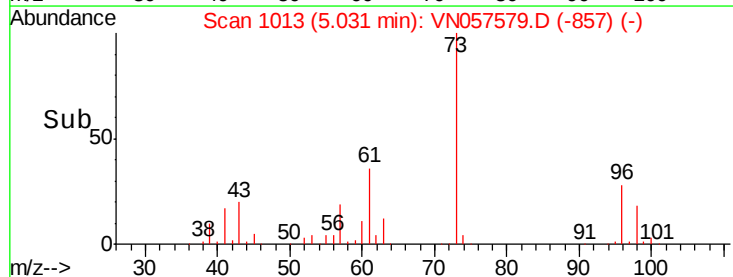
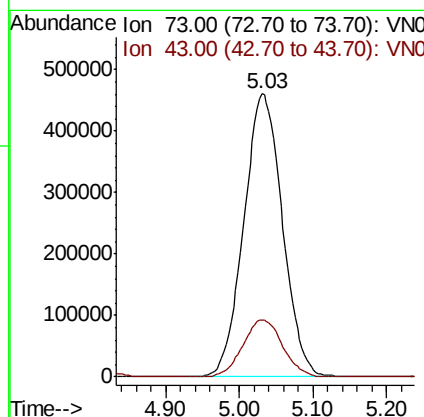
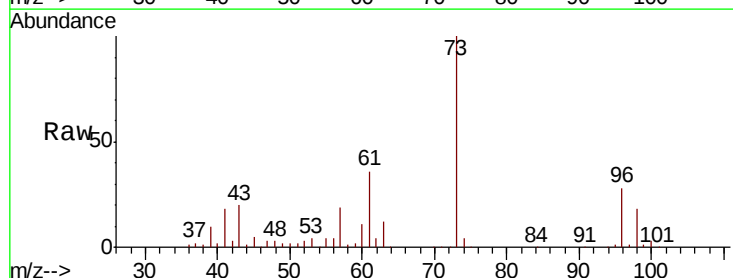
MMDadoda
 8/31/2019 10:00:31 AM

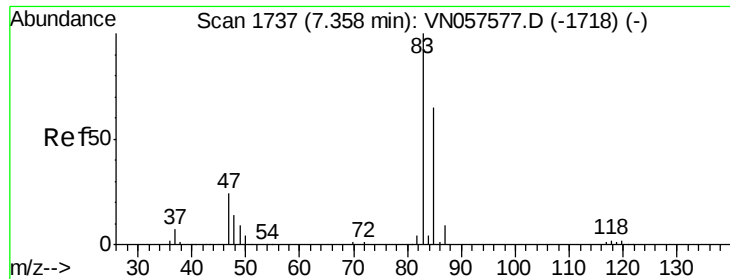


#24

Methyl tert-Butyl Ether
 Concen: 76.879 ug/l
 RT: 5.03 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 73 Resp: 1680430
 Ion Ratio Lower Upper
 73 100
 43 20.5 18.4 27.6





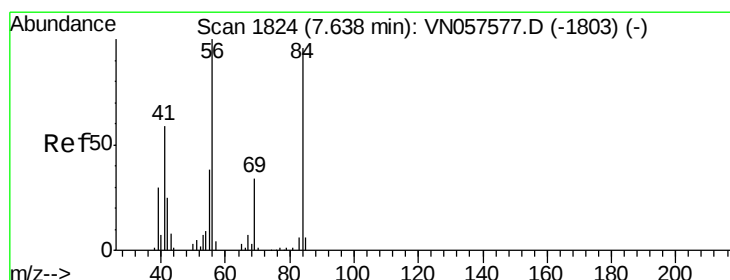
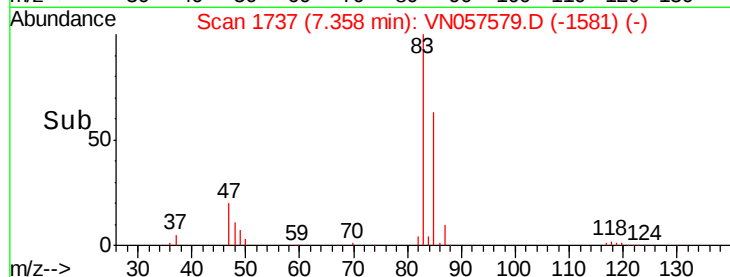
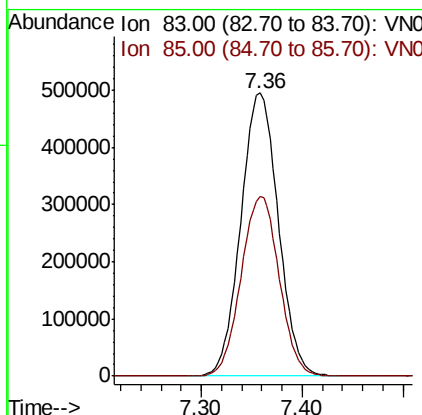
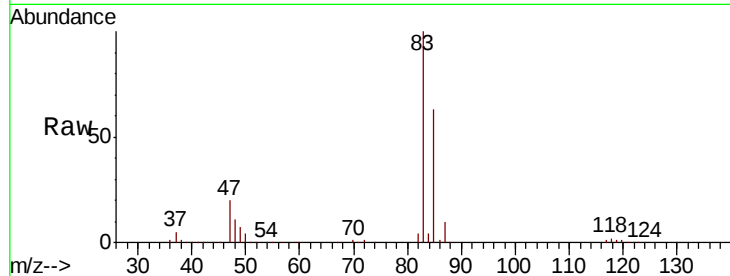
#25
Chloroform
Concen: 88.593 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 83 Resp: 1275282
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.6

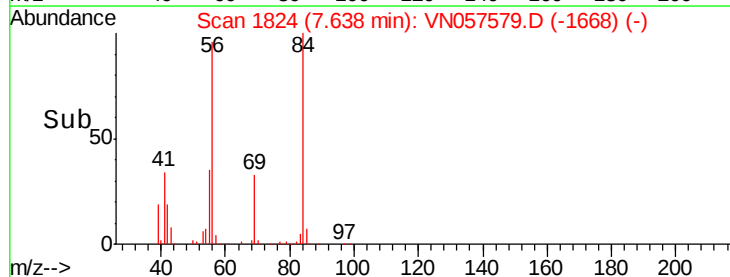
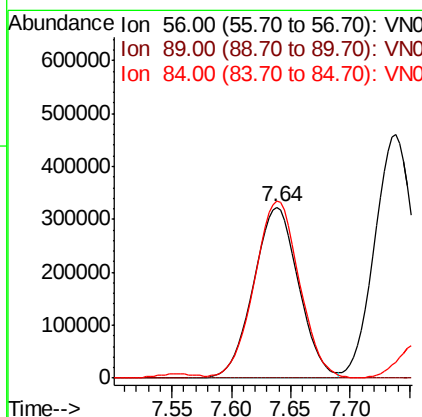
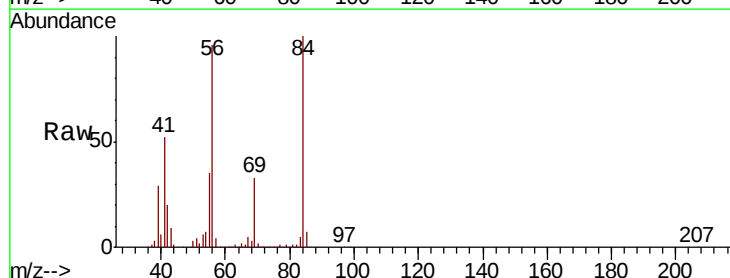
Manual Integrations
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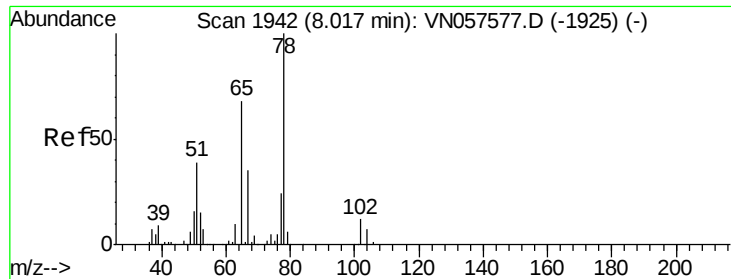
MMDadoda
8/31/2019 10:00:31 AM



#26
Cyclohexane
Concen: 68.234 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 56 Resp: 848015
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0#
84 103.5 75.9 113.9





#27

1,2-Dichloroethane-d4

Concen: 23.388 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 65 Resp: 246332

Ion Ratio Lower Upper

65 100

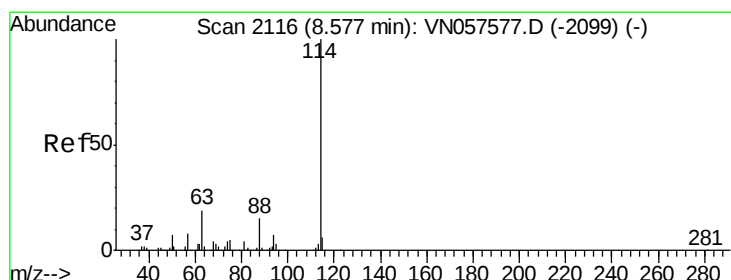
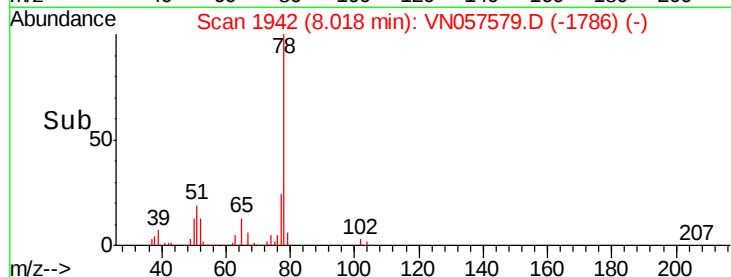
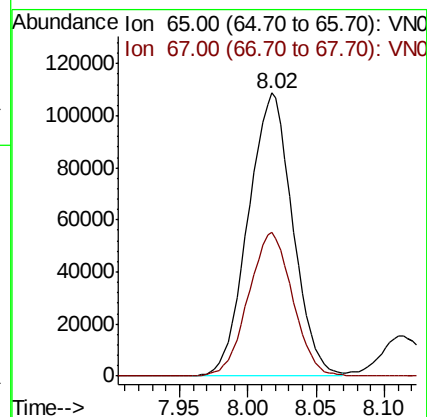
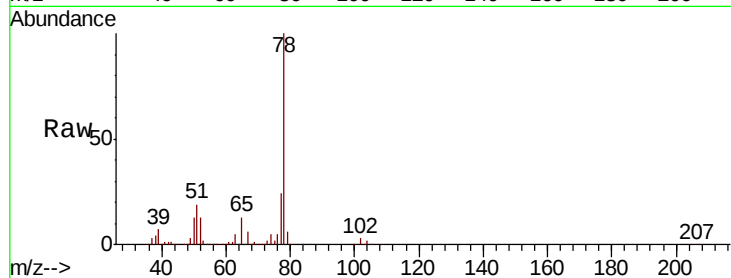
67 50.3 39.8 59.6

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

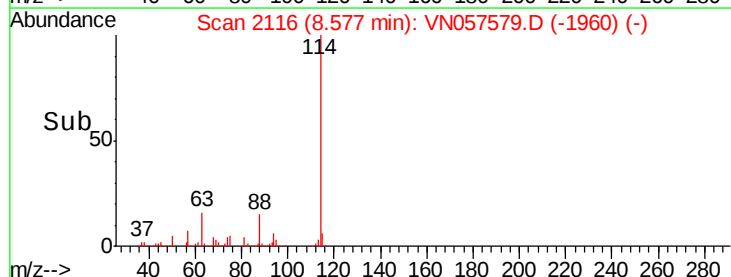
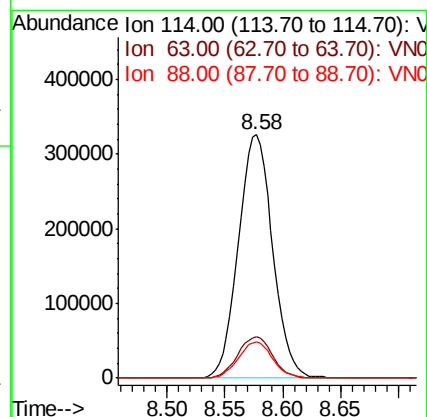
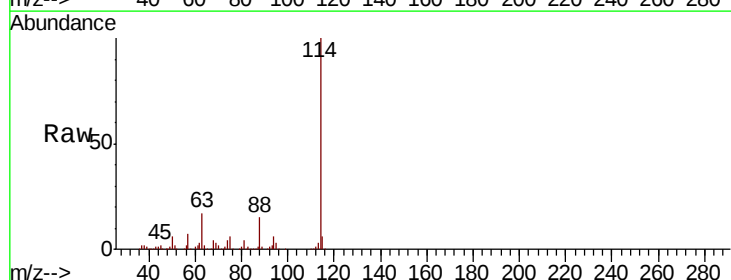
Tgt Ion: 114 Resp: 666806

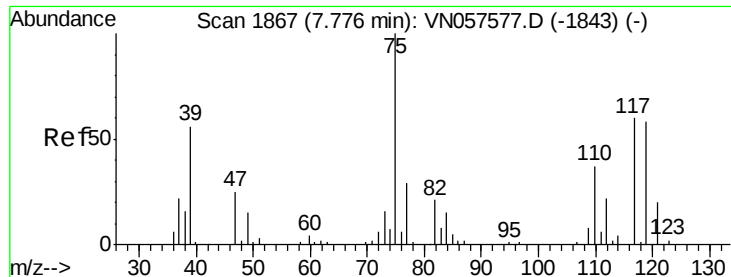
Ion Ratio Lower Upper

114 100

63 17.3 15.4 23.0

88 14.8 11.8 17.8





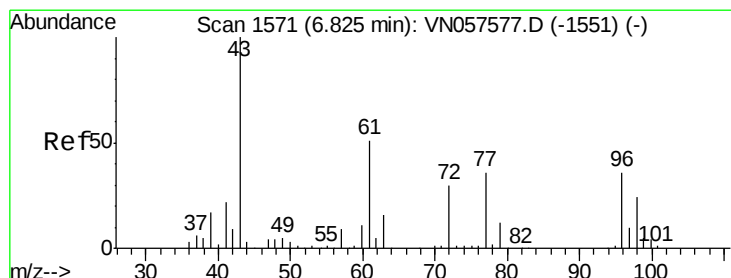
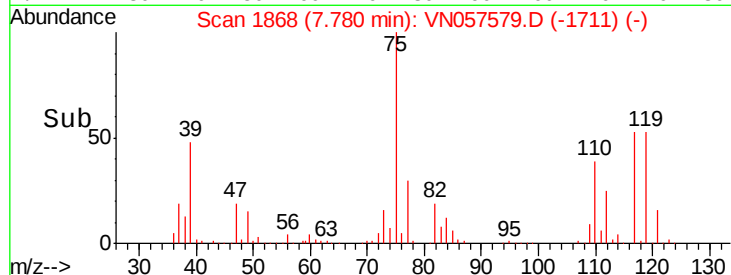
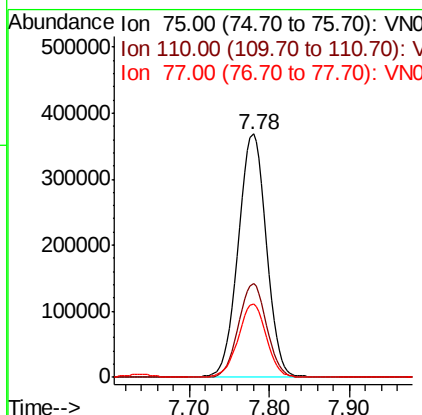
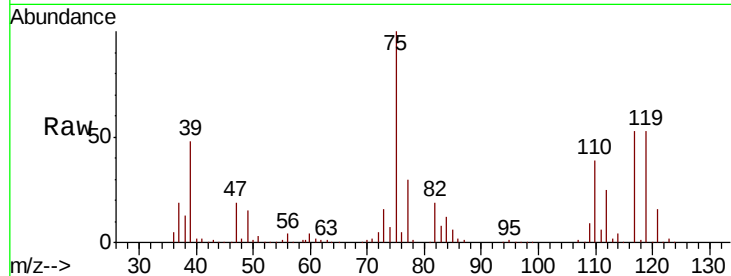
#29
 1,1-Dichloropropene
 Concen: 79.522 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	0.0	75.4
77	30.3	0.0	61.0

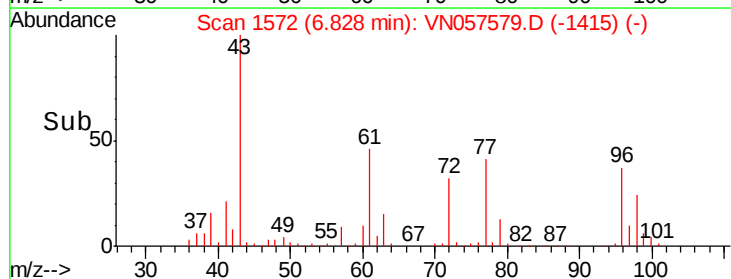
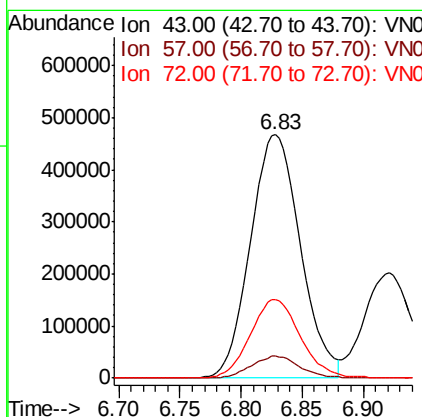
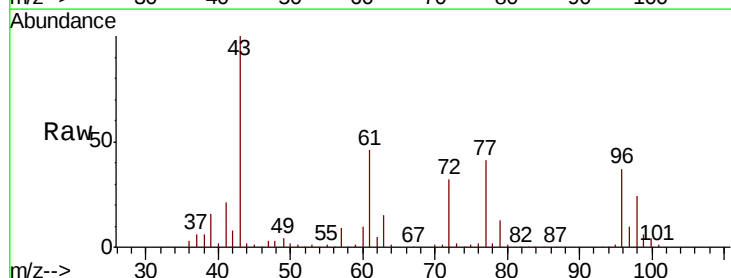
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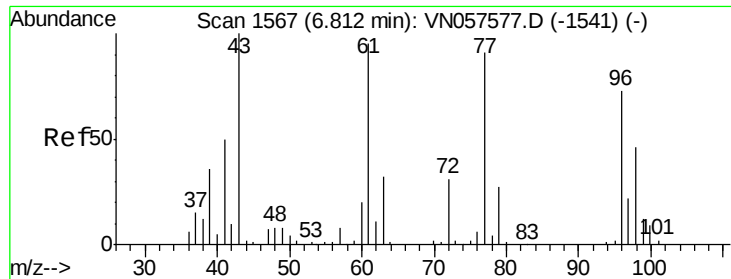
MMDadoda
 8/31/2019 10:00:31 AM



#30
 2-Butanone
 Concen: 265.841 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.8	3.5	5.3#
72	32.5	24.6	36.8





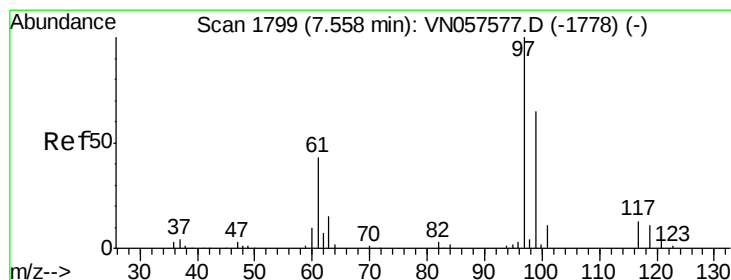
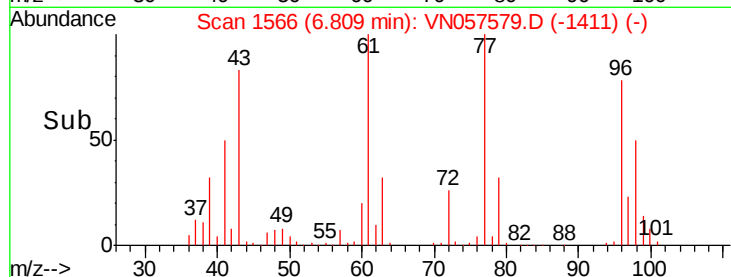
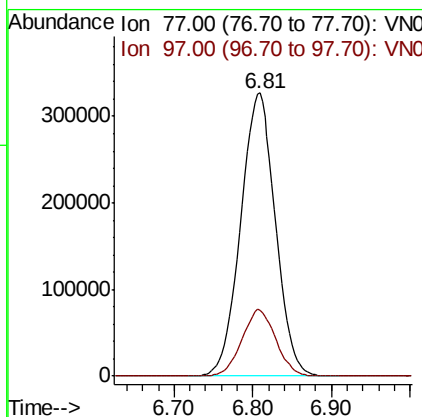
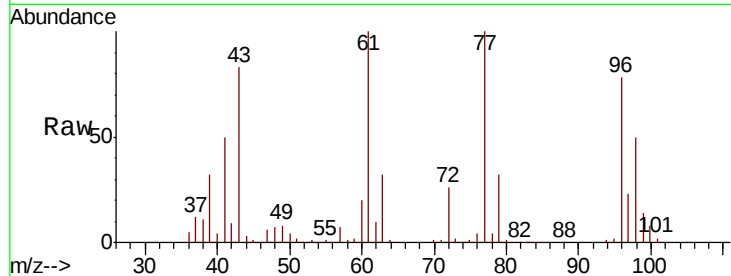
#31
 2,2-Dichloropropane
 Concen: 80.867 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 77 Resp: 1016699
 Ion Ratio Lower Upper
 77 100
 97 23.1 18.9 28.3

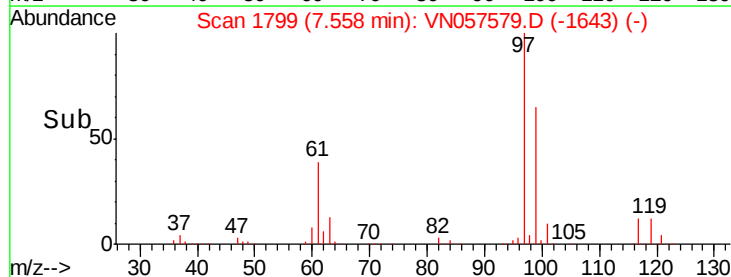
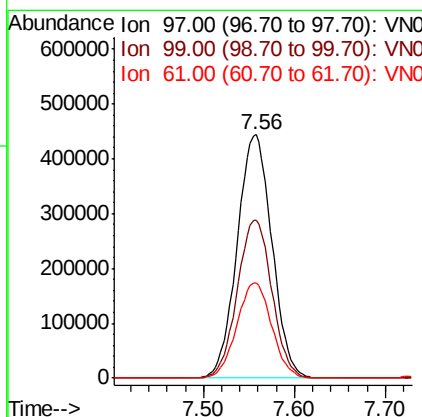
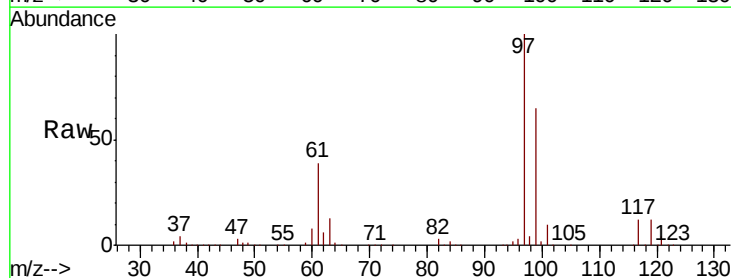
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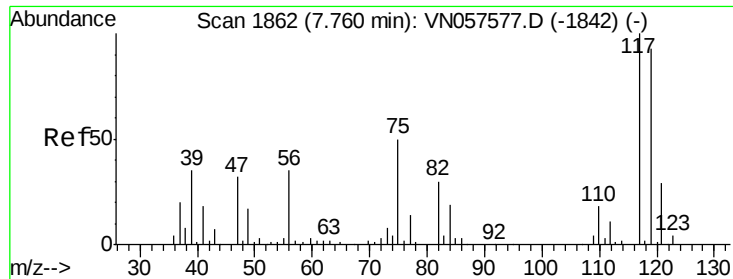
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#32
 1,1,1-Trichloroethane
 Concen: 91.595 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 97 Resp: 1178321
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.1 76.7
 61 39.5 34.4 51.6





#33

Carbon Tetrachloride

Concen: 96.324 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 117 Resp: 1031272

Ion Ratio Lower Upper

117 100

119 94.1 74.6 111.8

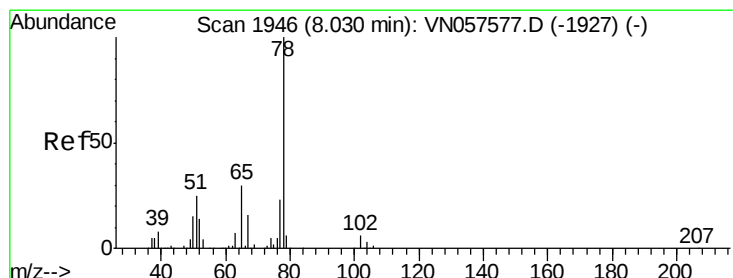
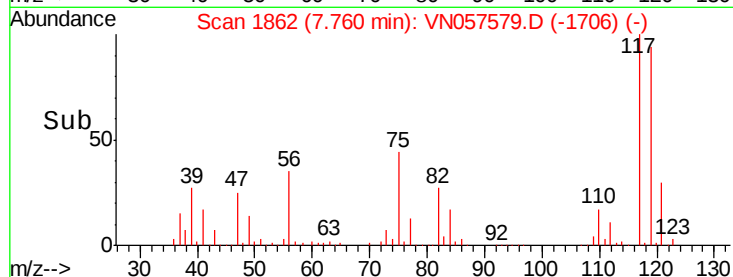
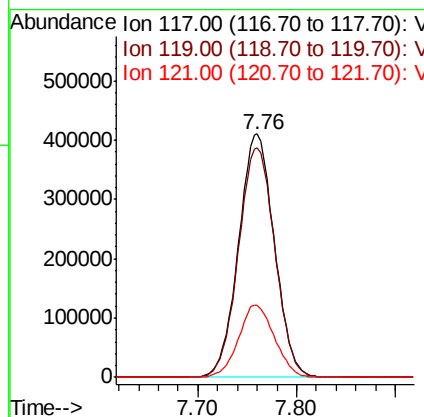
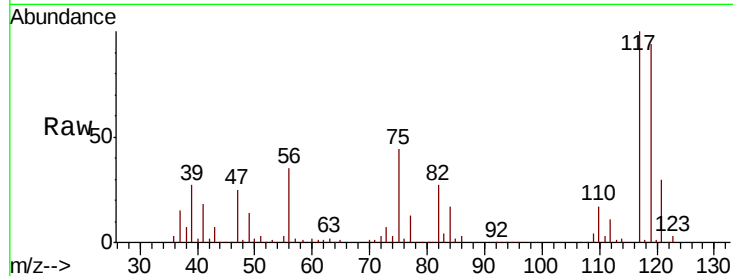
121 29.6 23.5 35.3

Manual Integrations

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#34

Benzene

Concen: 82.119 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

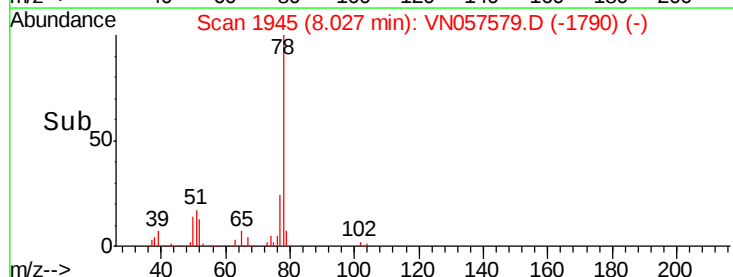
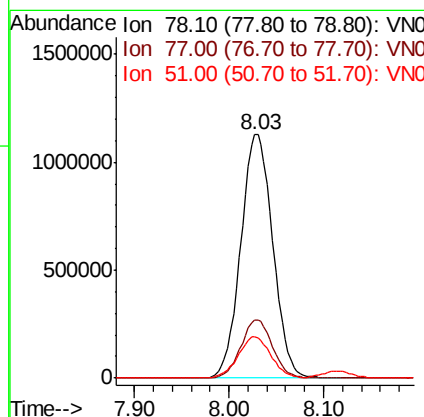
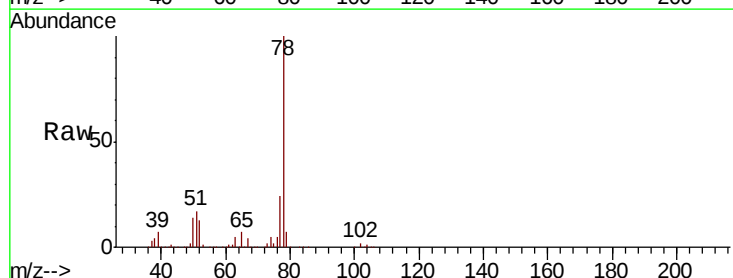
Tgt Ion: 78 Resp: 2653907

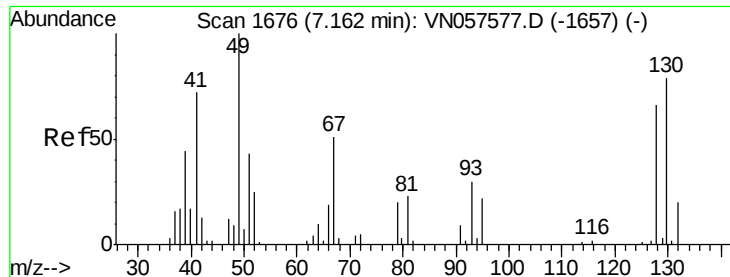
Ion Ratio Lower Upper

78 100

77 23.9 18.2 27.4

51 17.2 20.2 30.4#





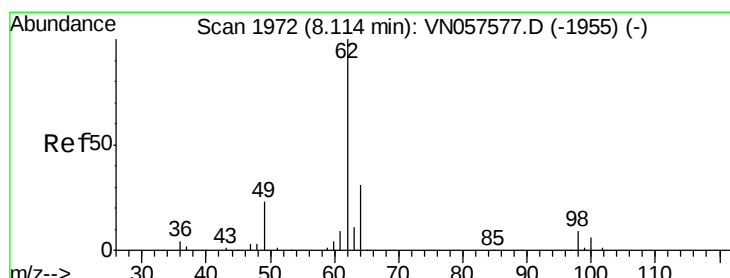
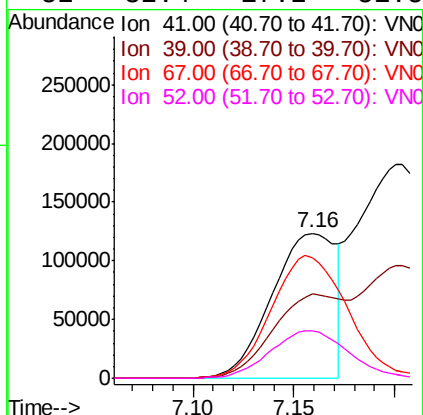
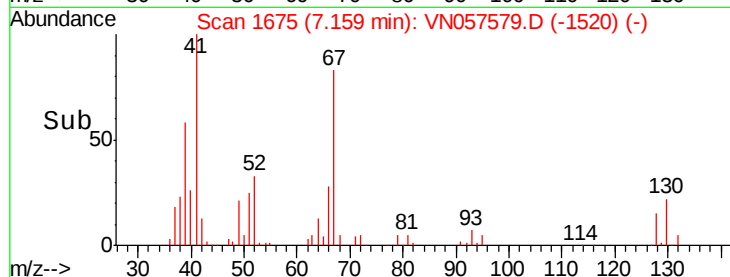
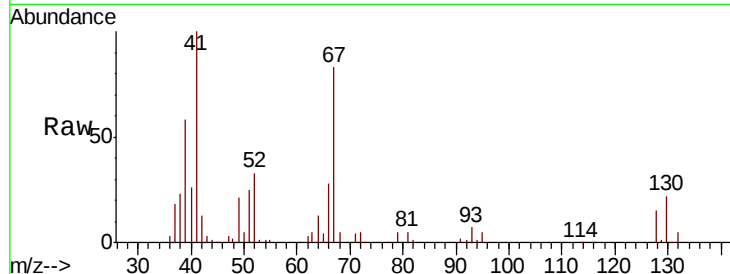
#35
Methacrylonitrile
Concen: 54.569 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion:	41	Resp:	270669
Ion	Ratio	Lower	Upper
41	100		
39	57.7	30.4	91.2
67	83.2	35.6	106.8
52	32.4	17.2	51.5

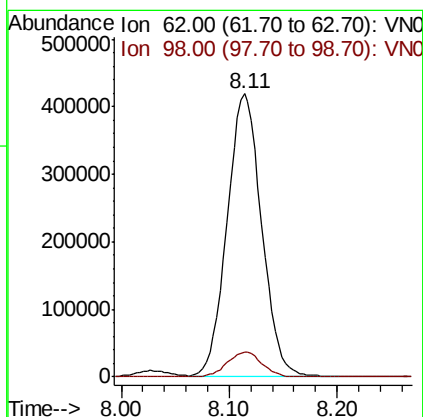
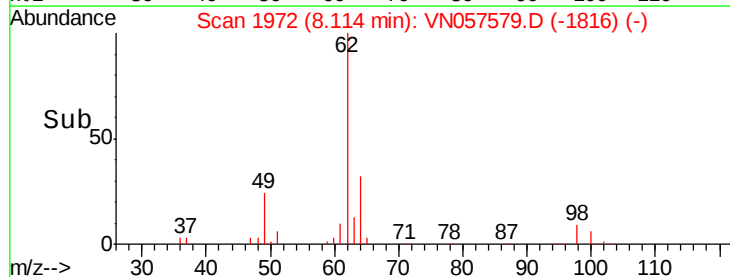
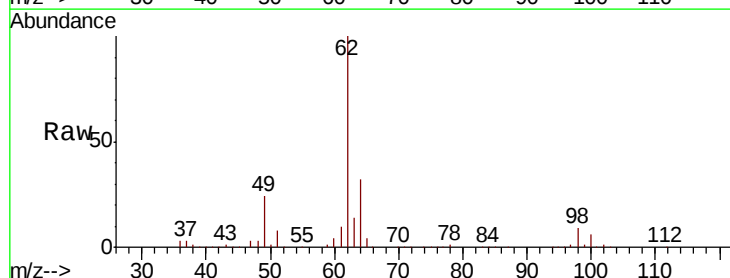
Manual Integrations
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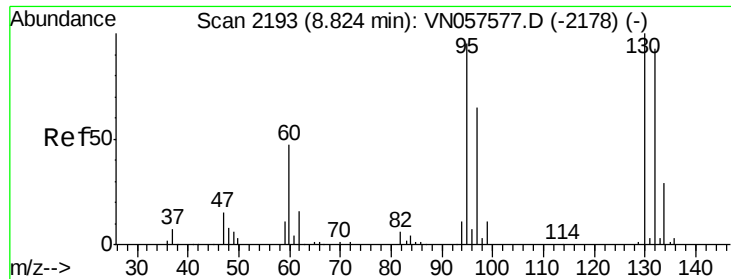
MMDadoda
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#36
1,2-Dichloroethane
Concen: 73.810 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion:	62	Resp:	933252
Ion	Ratio	Lower	Upper
62	100		
98	8.9	6.8	10.2





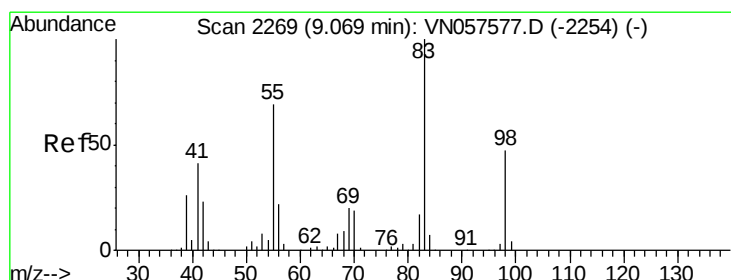
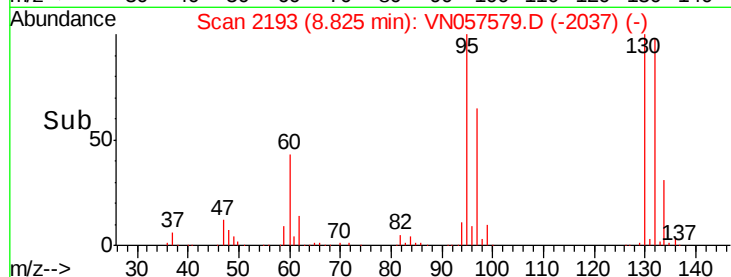
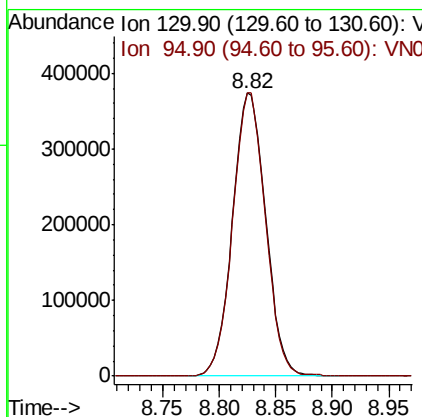
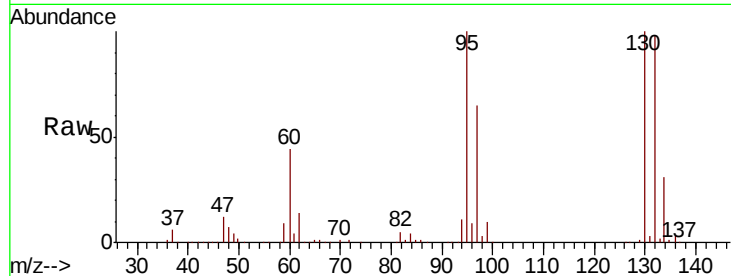
#37
 Trichloroethene
 Concen: 99.803 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:130 Resp: 766094
 Ion Ratio Lower Upper
 130 100
 95 99.9 76.2 114.2

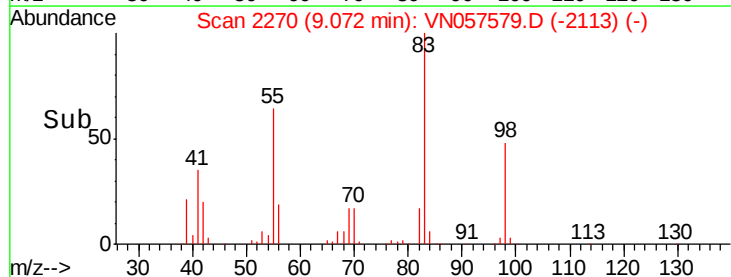
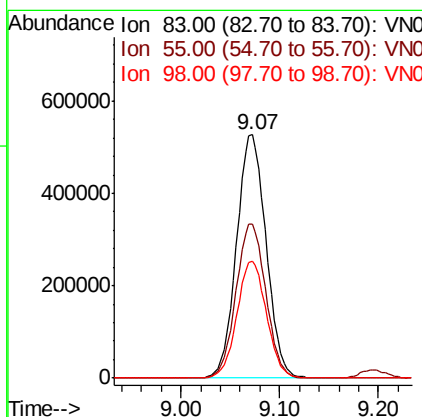
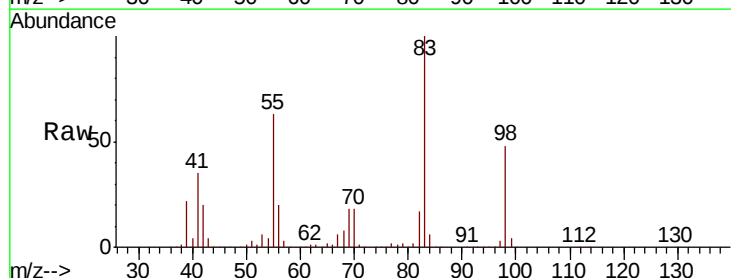
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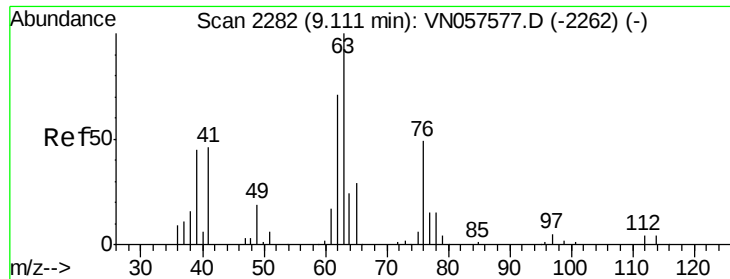
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 8/31/2019 10:00:31 AM



#38
 Methylcyclohexane
 Concen: 87.273 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 83 Resp: 1094768
 Ion Ratio Lower Upper
 83 100
 55 63.7 34.5 103.6
 98 48.1 23.4 70.3





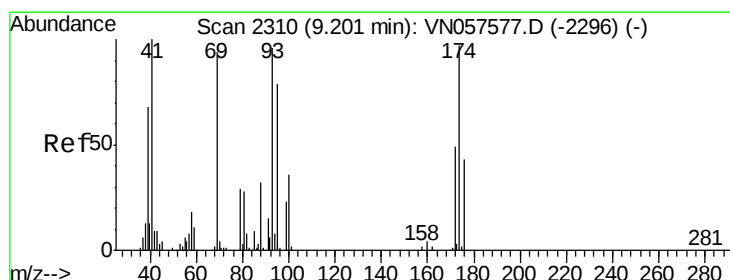
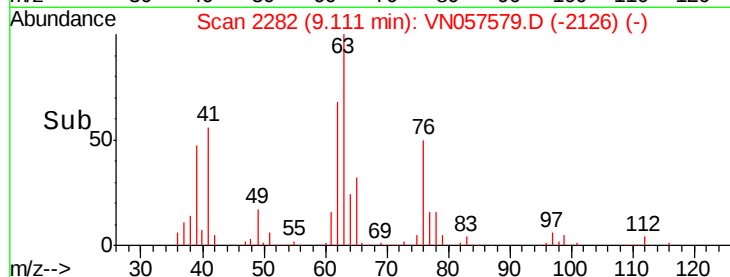
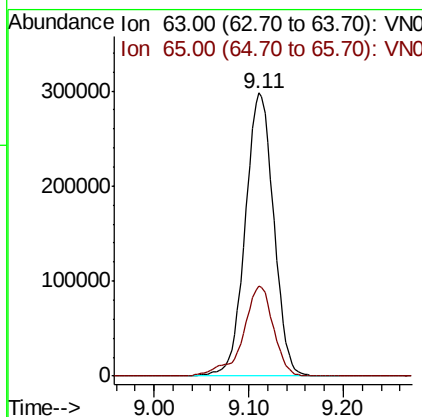
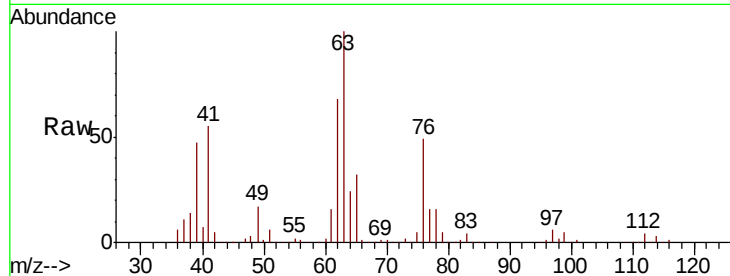
#39
 1,2-Dichloropropane
 Concen: 69.458 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 622222
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.2 36.2

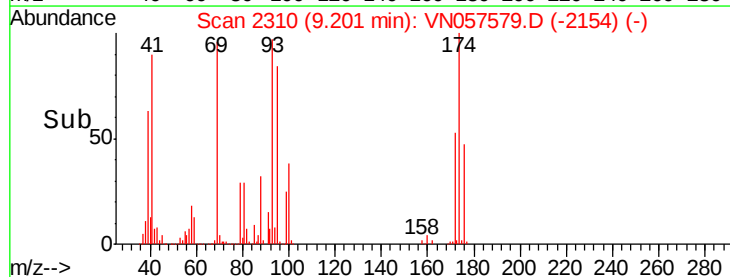
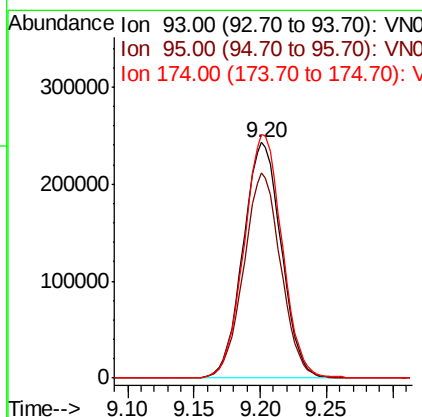
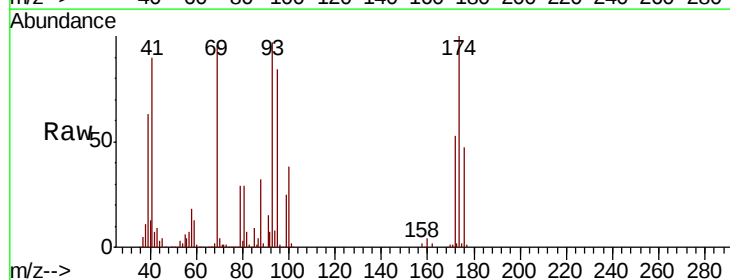
Manual Integrations
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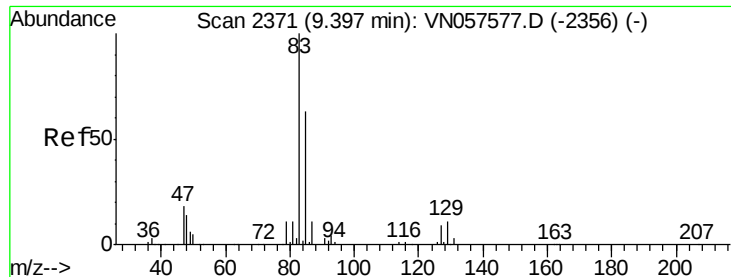
MMDadoda
 8/31/2019 10:00:31 AM



#40
 Dibromomethane
 Concen: 85.376 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 93 Resp: 487168
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 162.8
 174 102.9 0.0 199.2





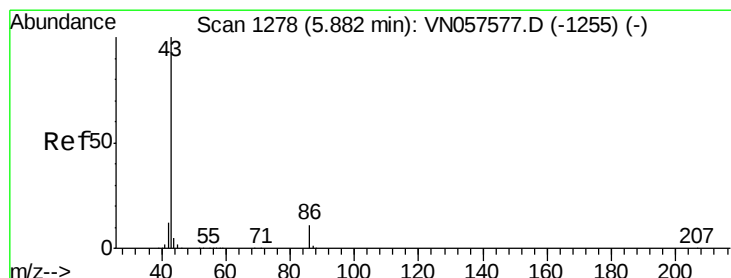
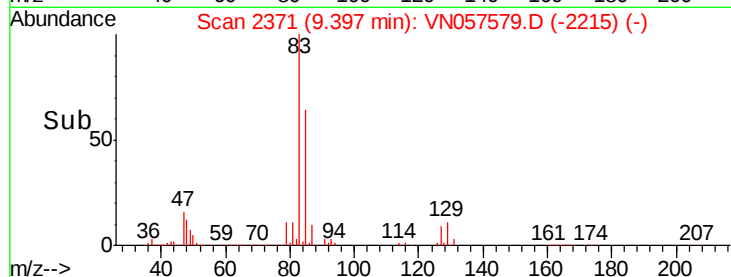
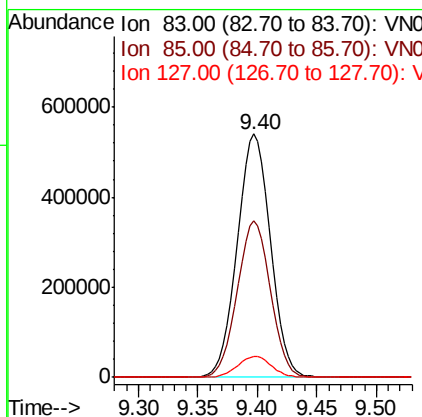
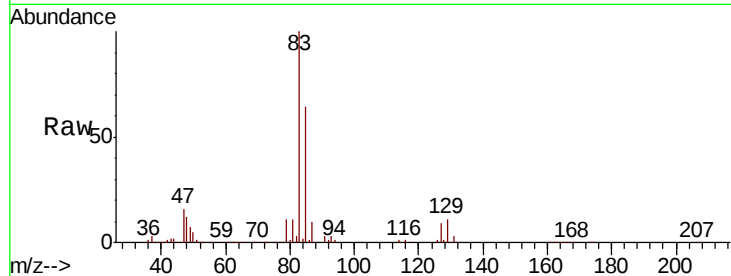
#41
 Bromodichloromethane
 Concen: 87.001 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 83 Resp: 1048610
 Ion Ratio Lower Upper
 83 100
 85 64.3 50.3 75.5
 127 8.6 7.4 11.2

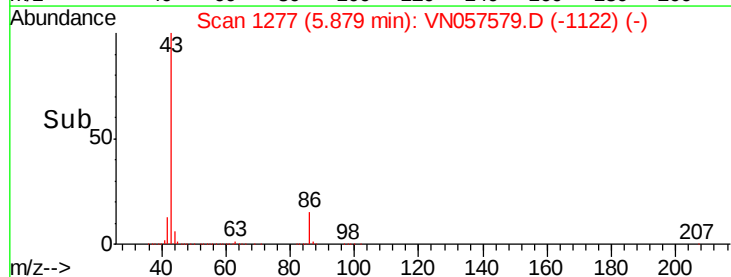
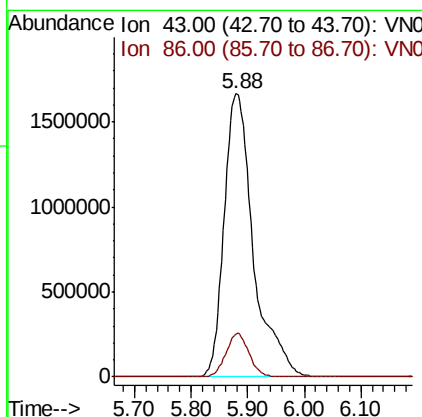
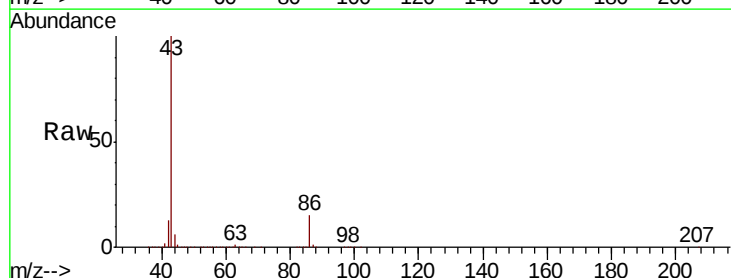
Manual Integrations
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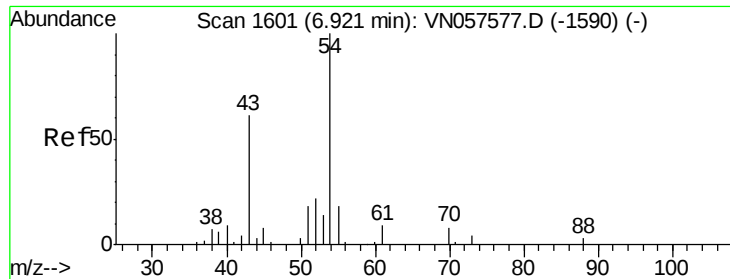
MMDadoda
 8/31/2019 10:00:31 AM



#42
 Vinyl Acetate
 Concen: 266.951 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion: 43 Resp: 6002855
 Ion Ratio Lower Upper
 43 100
 86 12.2 8.1 12.1#





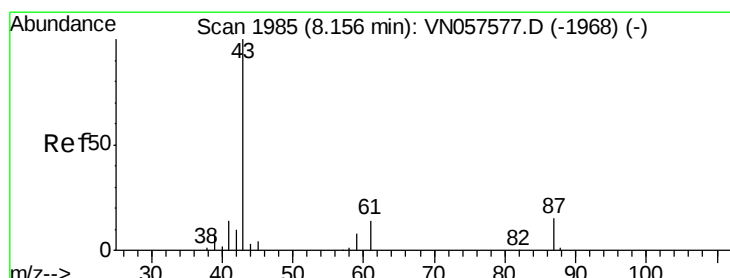
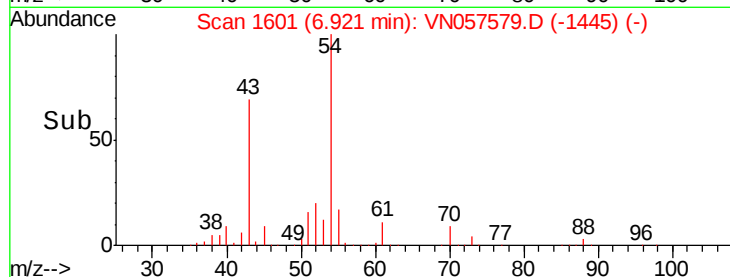
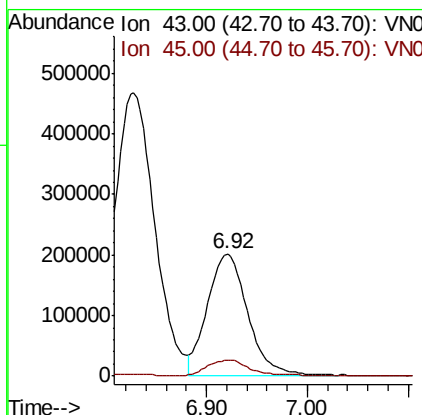
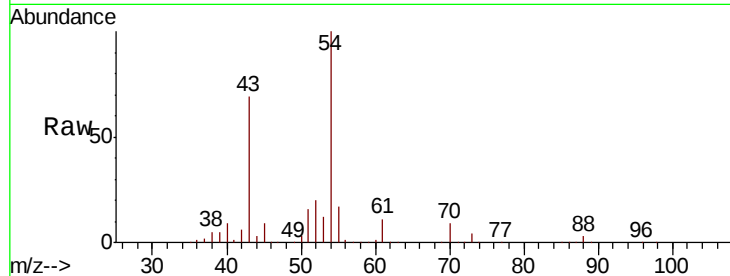
#43
Ethyl Acetate
Concen: 56.672 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion: 43 Resp: 551993
Ion Ratio Lower Upper
43 100
45 14.2 9.9 14.9

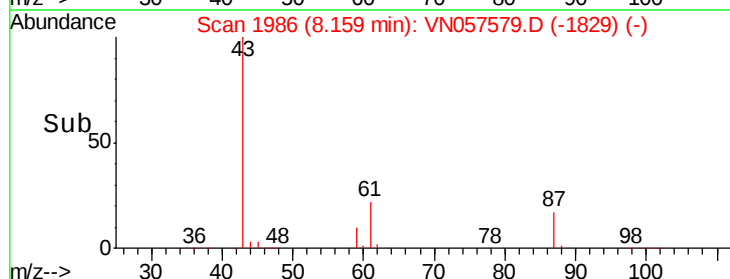
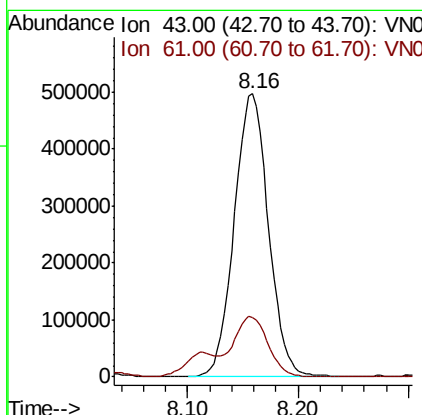
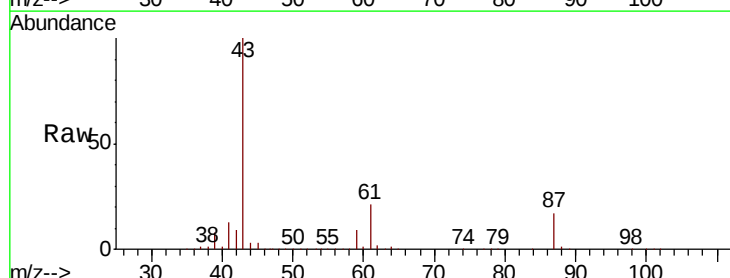
Manual Integrations
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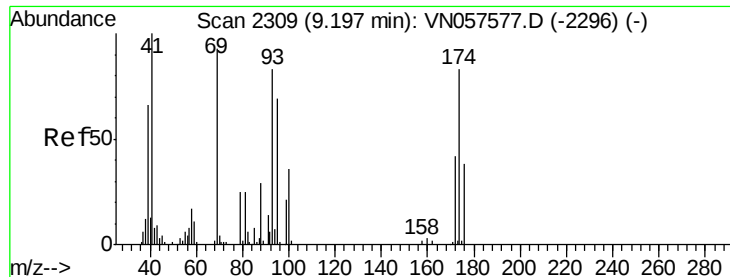
MMDadoda
8/31/2019 10:00:31 AM



#44
Isopropyl Acetate
Concen: 56.972 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 43 Resp: 1064228
Ion Ratio Lower Upper
43 100
61 20.5 16.0 24.0





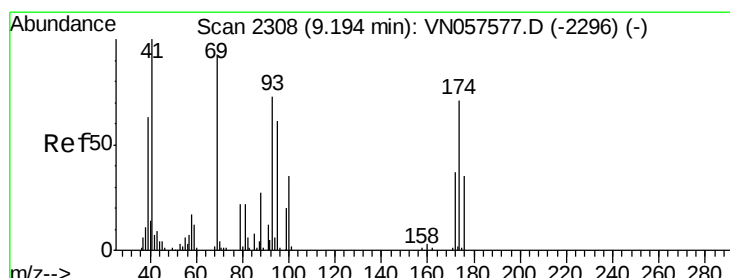
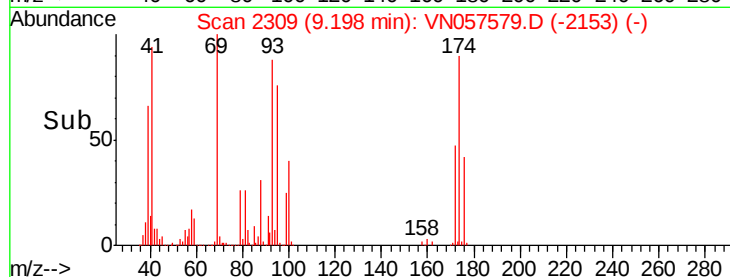
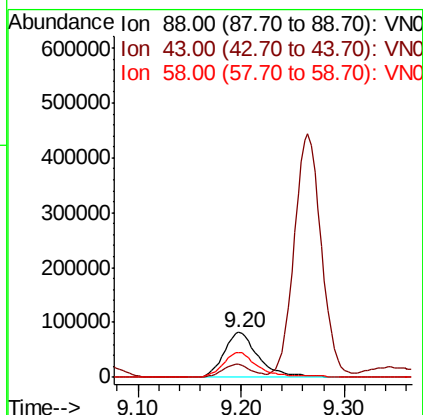
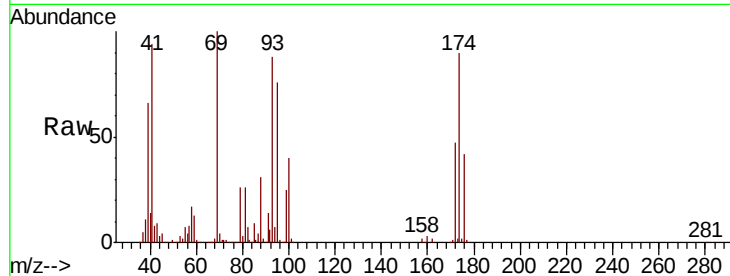
#45
1,4-Dioxane
Concen: 1618.163 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	191244		
43	23.5	18.2	27.4	
58	53.8	45.0	67.6	

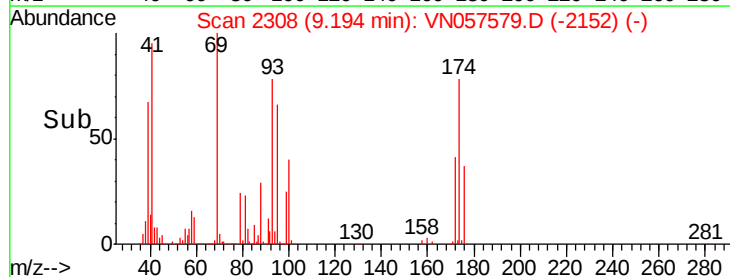
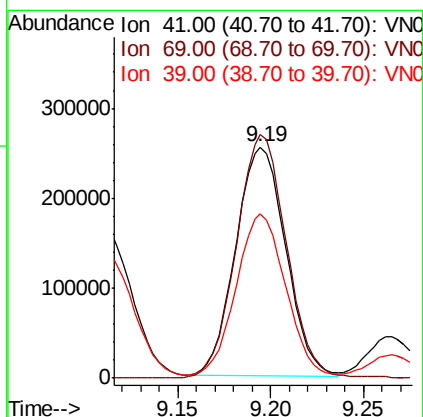
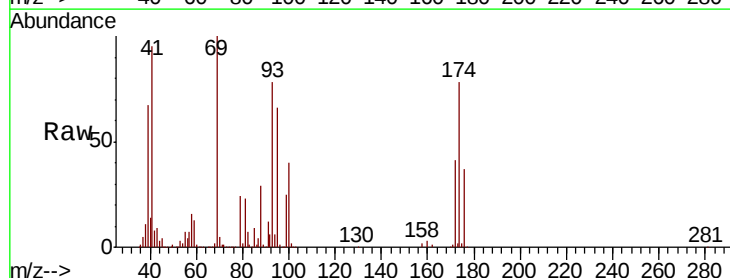
Manual Integrations
APPROVED

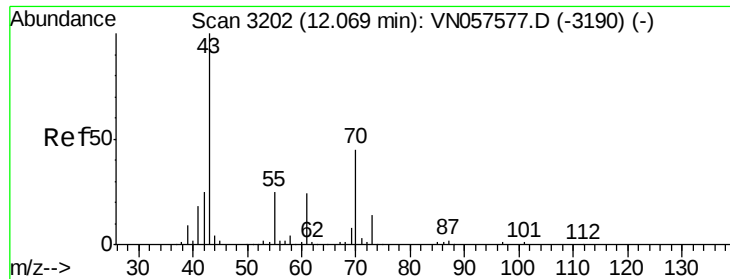
MMDadoda
8/31/2019 10:00:31 AM



#46
Methyl methacrylate
Concen: 53.514 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	476199		
69	106.1	46.4	139.1	
39	70.4	31.6	94.8	





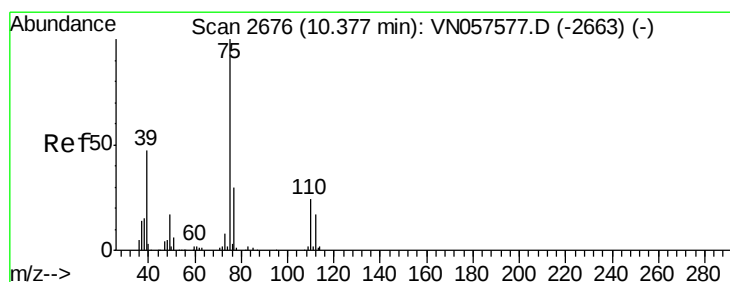
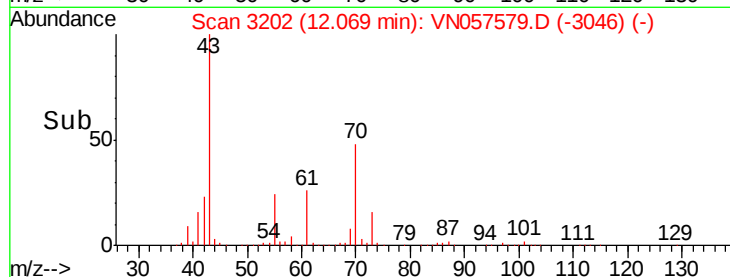
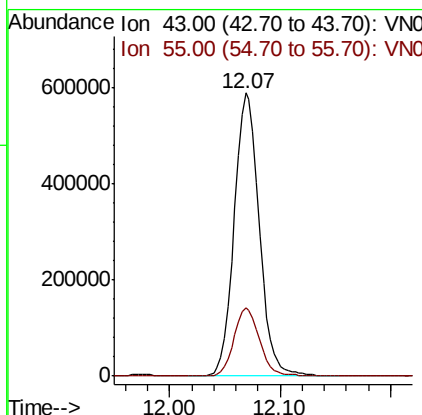
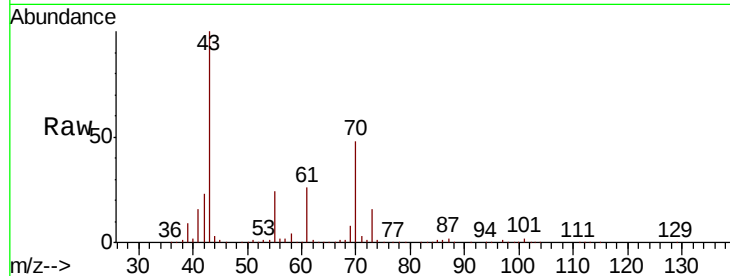
#47
n-amyl Acetate
Concen: 60.910 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 927275
Ion Ratio Lower Upper
43 100
55 24.8 20.2 30.2

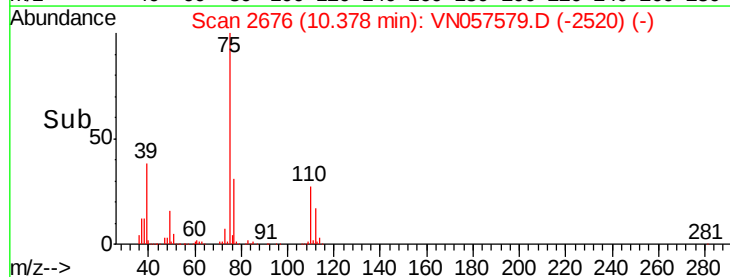
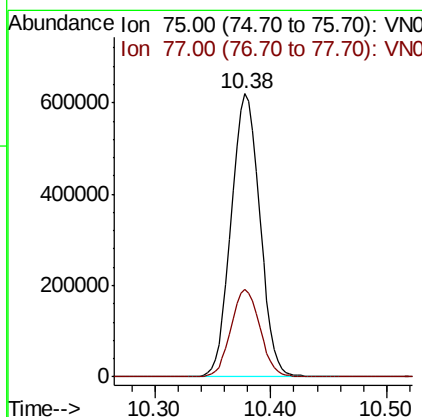
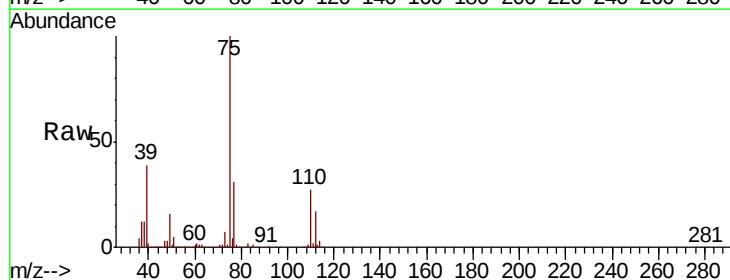
Manual Integrations
APPROVED

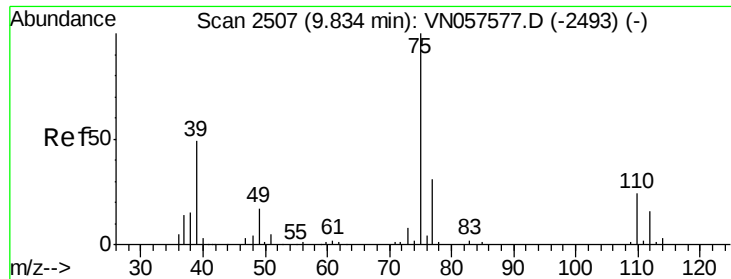
MMDadoda
8/31/2019 10:00:31 AM



#48
t-1,3-Dichloropropene
Concen: 84.324 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 75 Resp: 1060755
Ion Ratio Lower Upper
75 100
77 30.8 23.8 35.6





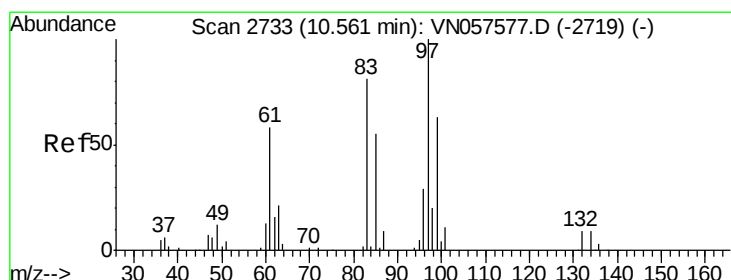
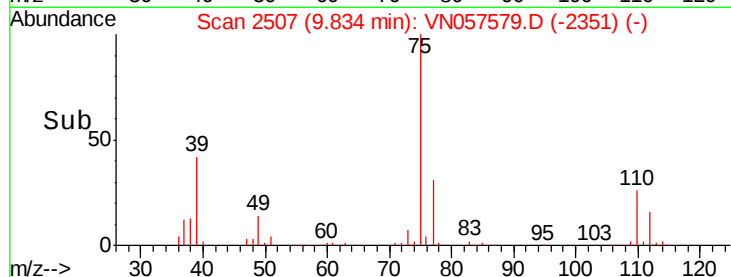
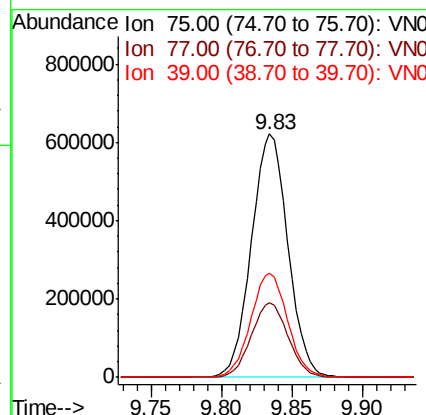
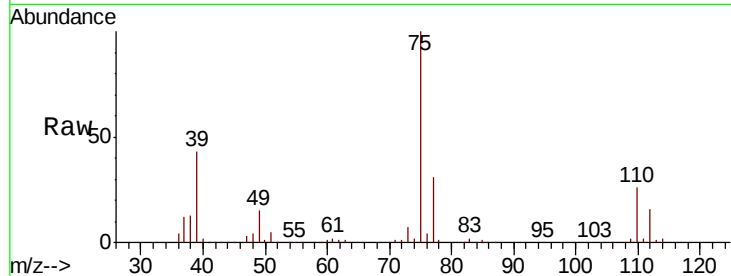
#49
 cis-1,3-Dichloropropene
 Concen: 81.825 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.4
39	42.6	39.0	58.4

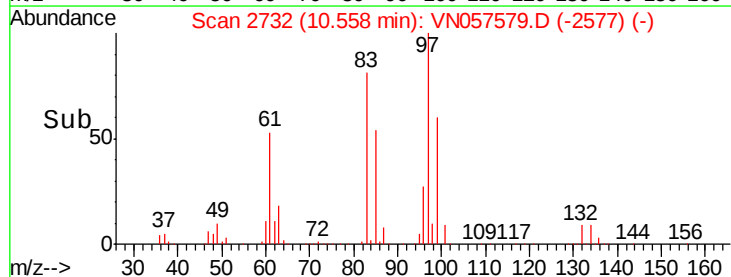
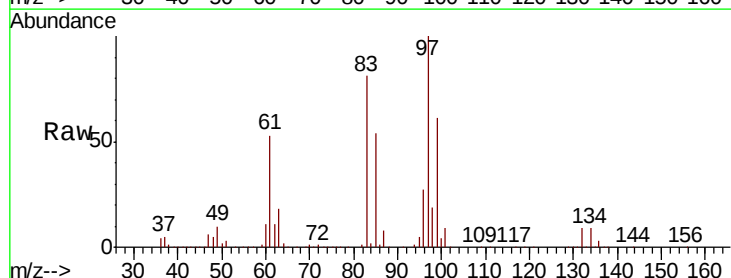
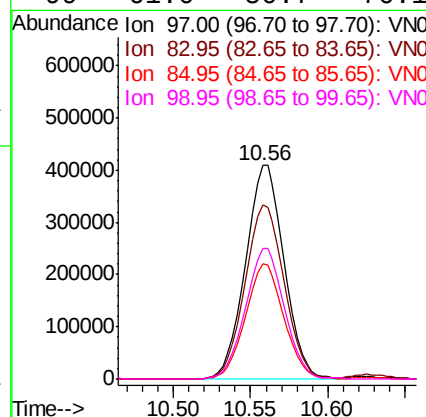
Manual Integrations
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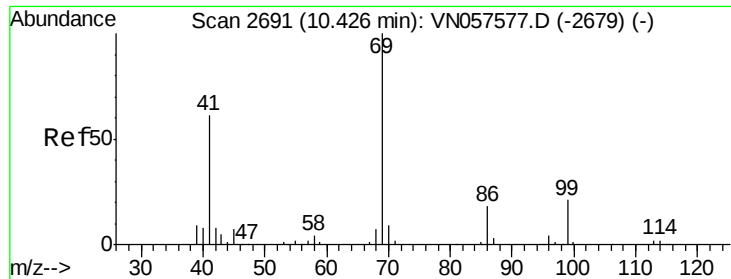
MMDadoda
 8/31/2019 10:00:31 AM



#50
 1,1,2-Trichloroethane
 Concen: 94.639 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.2	65.1	97.7
85	53.8	43.7	65.5
99	61.0	50.7	76.1





#51

Ethyl methacrylate

Concen: 79.179 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

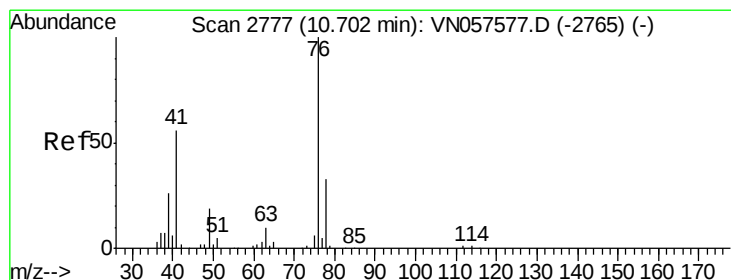
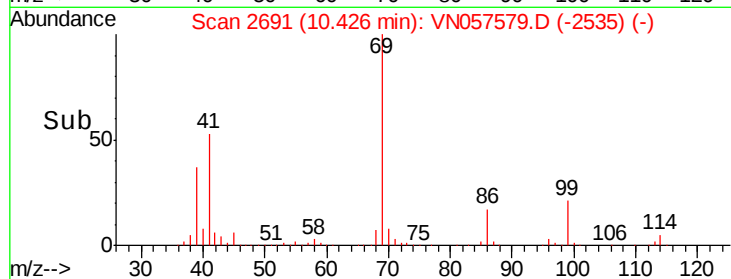
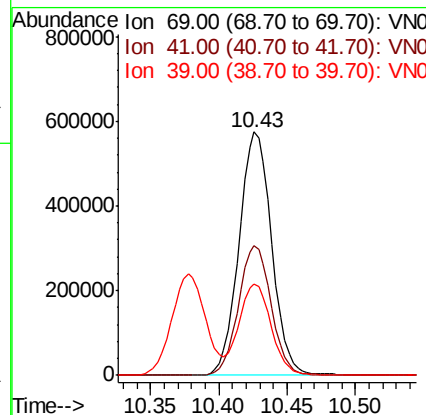
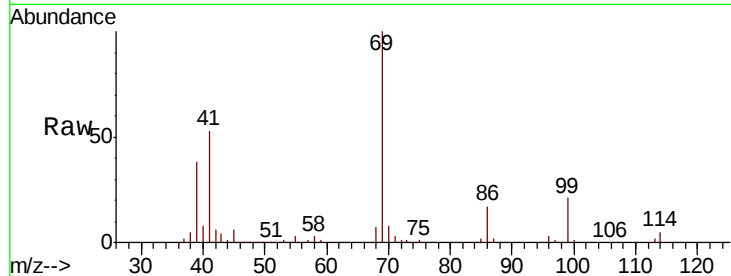
ClientSampled :

VSTDIC100

Tgt Ion:	69	Resp:	955350
Ion Ratio	Lower	Upper	
69	100		
41	53.2	30.6	92.0
39	37.4	22.3	66.9

Manual Integrations
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8/31/2019 10:00:31 AM



#52

1,3-Dichloropropane

Concen: 81.895 ug/l

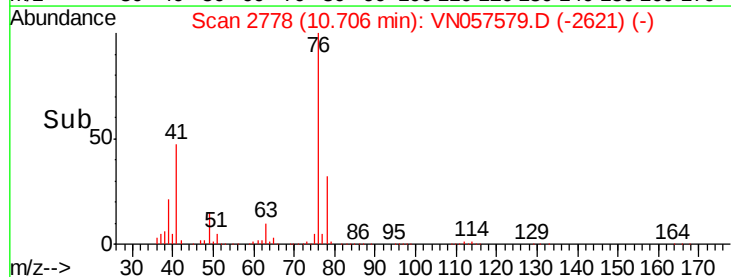
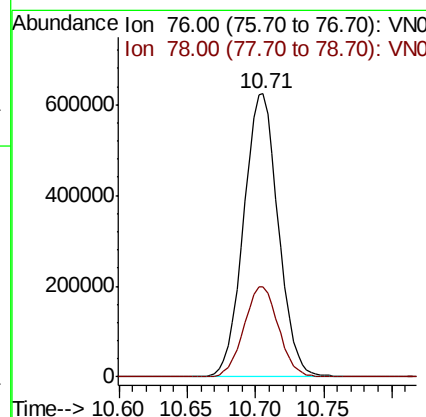
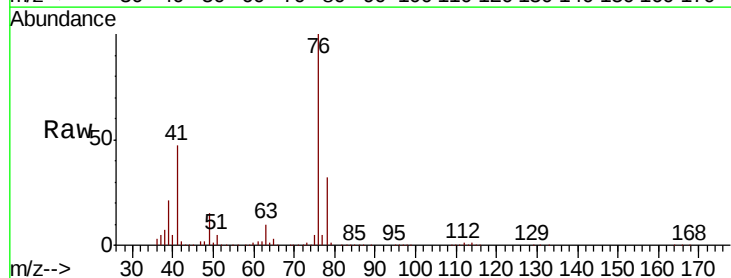
RT: 10.71 min Scan# 2778

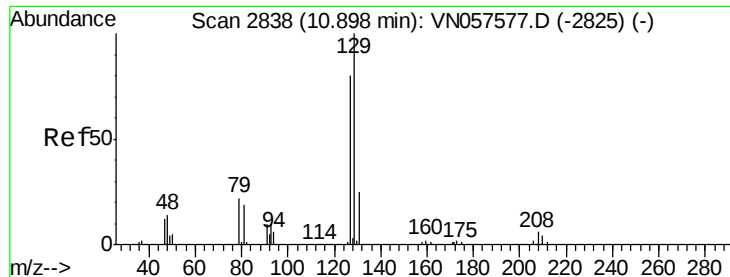
Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Tgt Ion:	76	Resp:	1098126
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	67.0





#53

Dibromochloromethane

Concen: 107.039 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:129 Resp: 863897

Ion Ratio Lower Upper

129 100

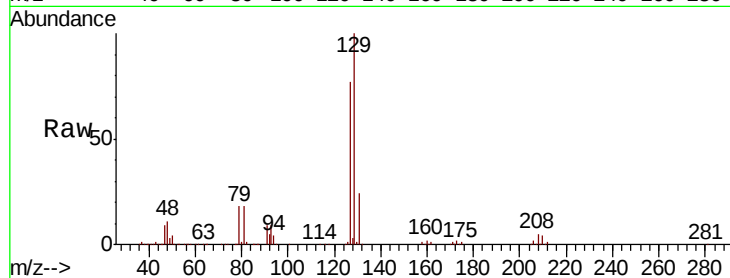
127 77.0 38.9 116.7

Manual Integrations

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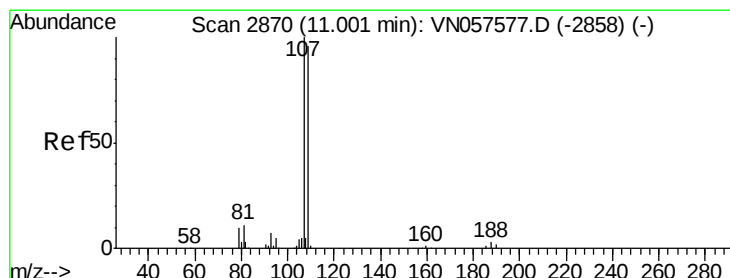
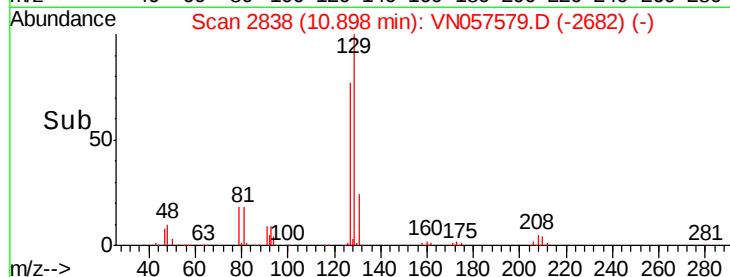
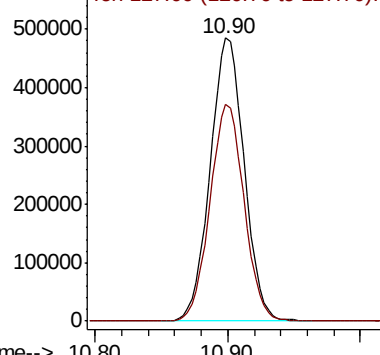
MMDadoda

8/31/2019 10:00:31 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 98.802 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057579.D

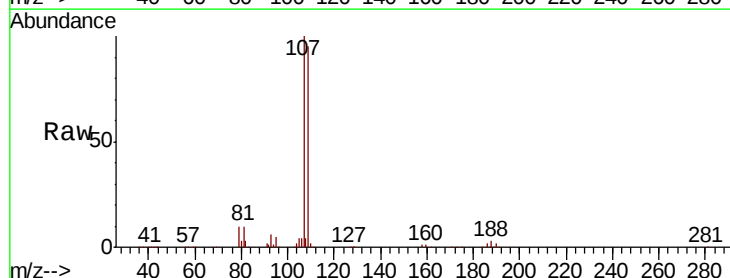
Acq: 30 Aug 2019 10:24

Tgt Ion:107 Resp: 765648

Ion Ratio Lower Upper

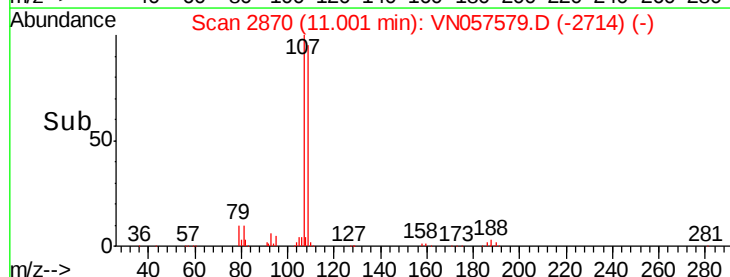
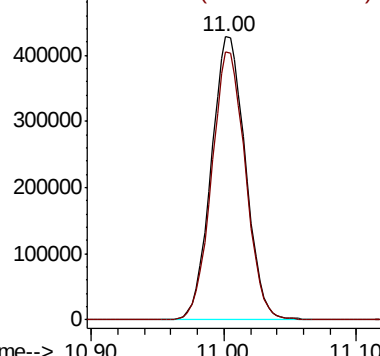
107 100

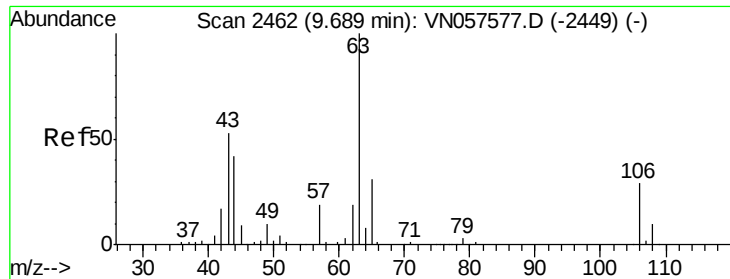
109 93.6 75.2 112.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





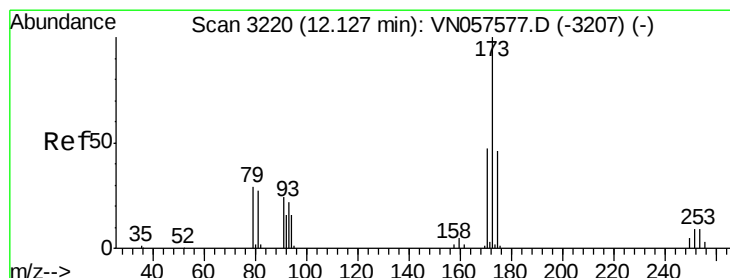
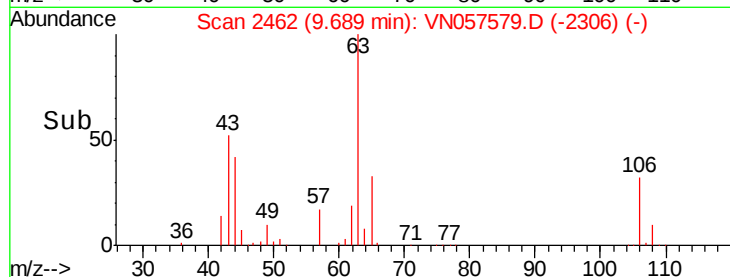
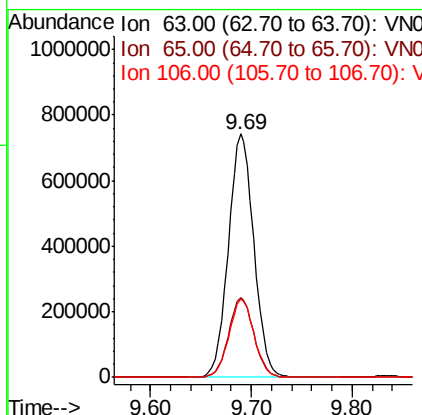
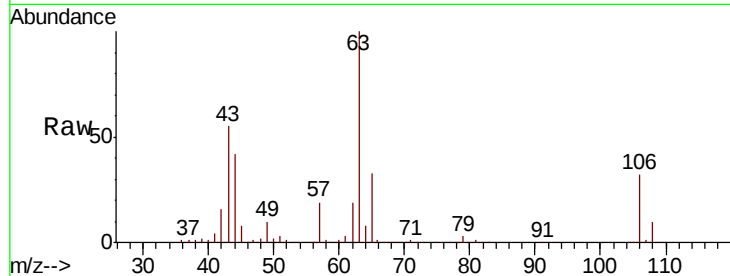
#55
2-Chloroethyl vinyl ether
Concen: 431.100 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 63 Resp: 1304402
Ion Ratio Lower Upper
63 100
65 32.5 25.0 37.4
106 32.0 23.7 35.5

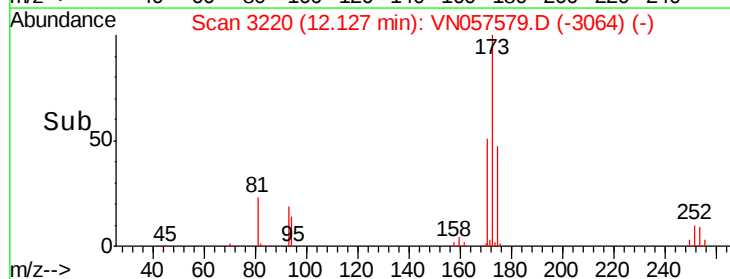
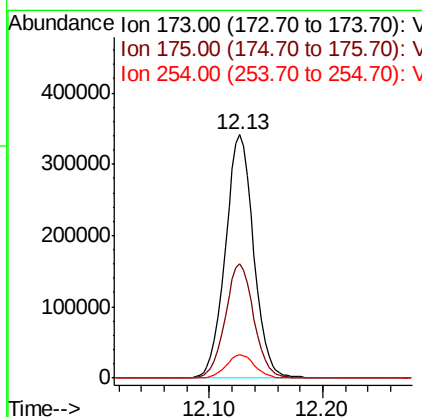
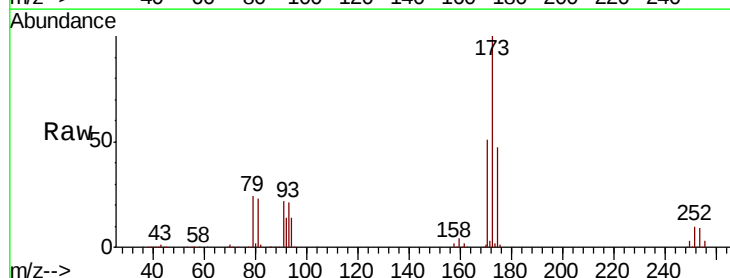
Manual Integrations
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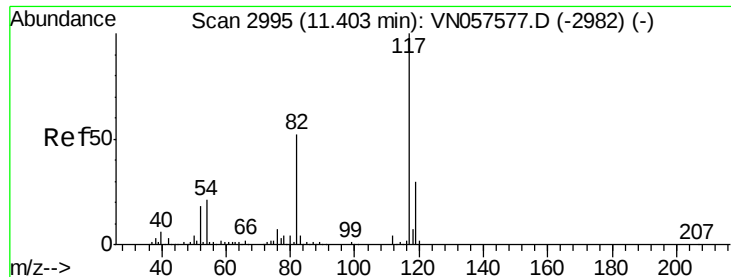
MMDadoda
8/31/2019 10:00:31 AM



#56
Bromoform
Concen: 120.310 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 173 Resp: 592335
Ion Ratio Lower Upper
173 100
175 47.2 37.3 55.9
254 9.6 2.2 3.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

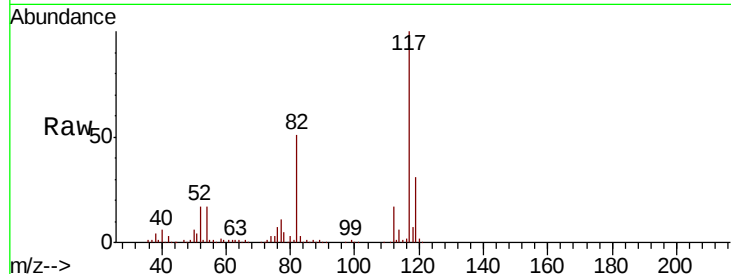
ClientSampleId :

VSTDIC100

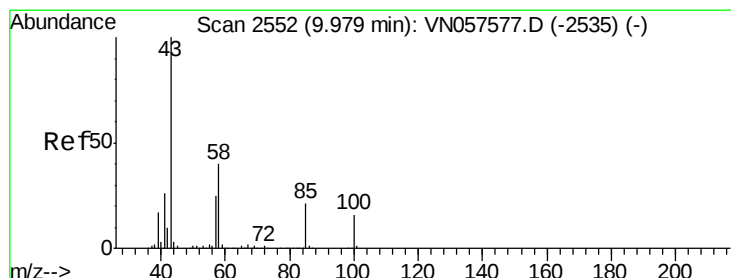
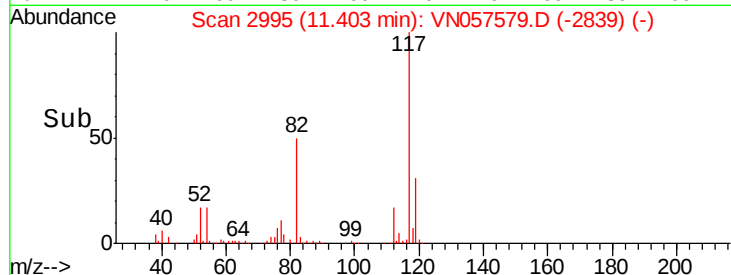
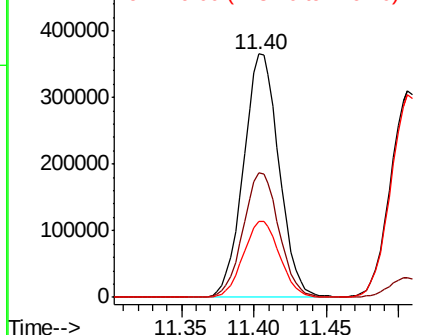
Tgt Ion:	117	Resp:	622584
Ion Ratio	Lower	Upper	
117	100		
82	51.9	42.6	63.8
119	32.0	25.0	37.6

Manual Integrations
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8/31/2019 10:00:31 AM



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: 255.752 ug/l

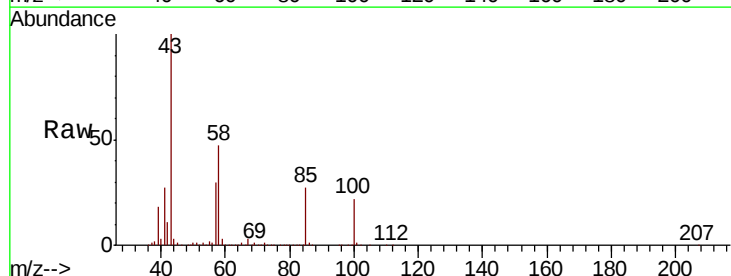
RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

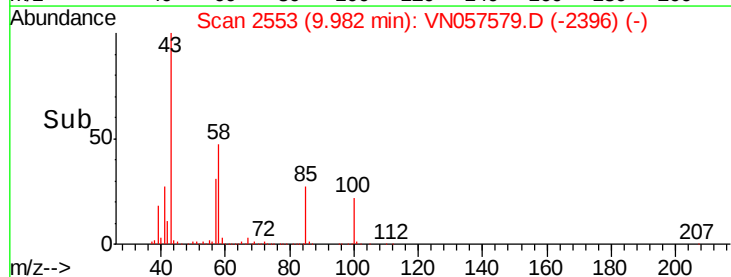
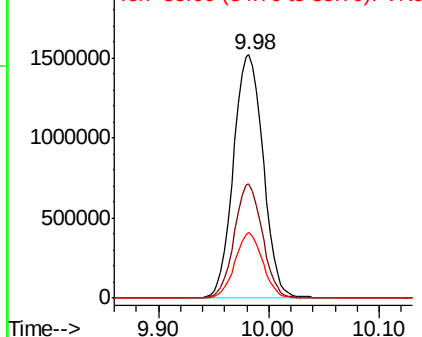
Lab File: VN057579.D

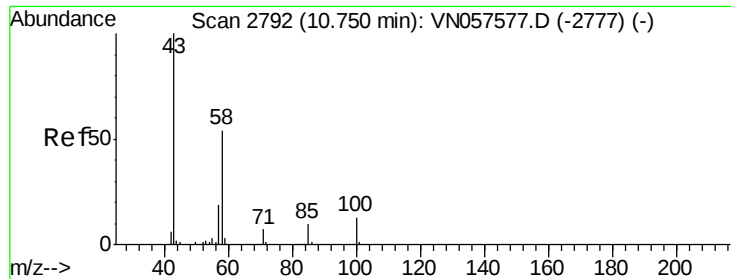
Acq: 30 Aug 2019 10:24

Tgt Ion:	43	Resp:	2844372
Ion Ratio	Lower	Upper	
43	100		
58	44.4	32.1	48.1
85	24.9	16.6	24.8#



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





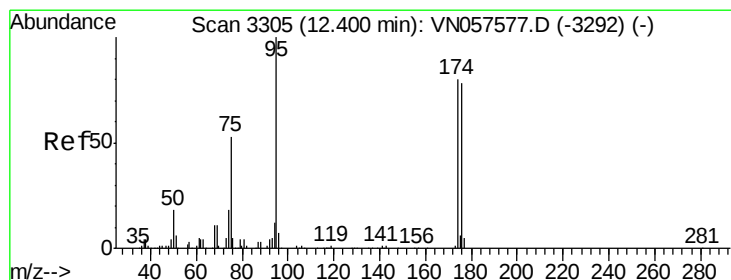
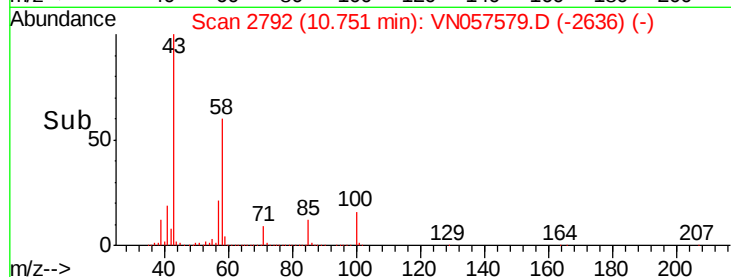
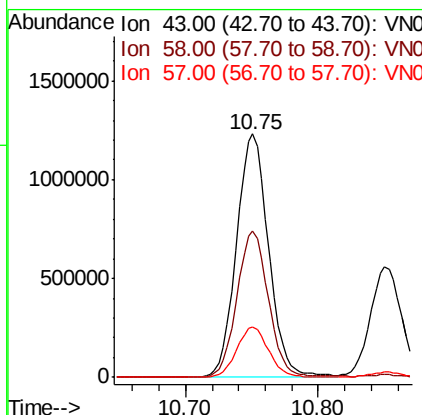
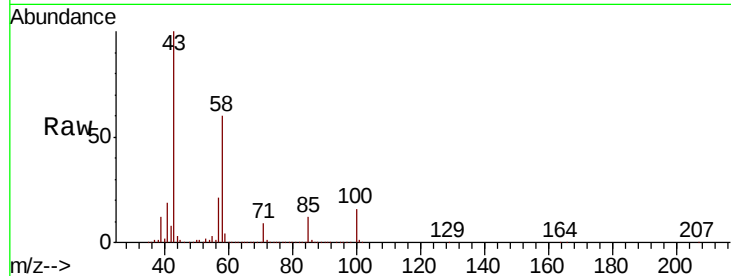
#59
2-Hexanone
Concen: 268.694 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 2070285
Ion Ratio Lower Upper
43 100
58 59.3 42.9 64.3
57 20.6 15.4 23.2

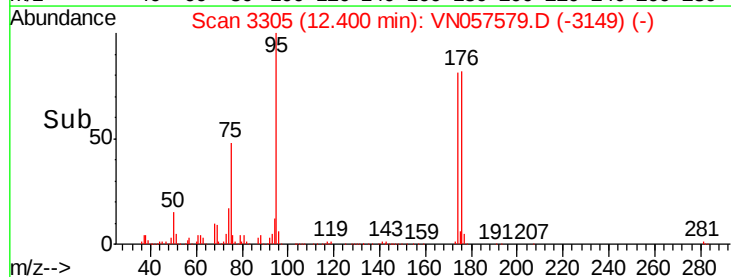
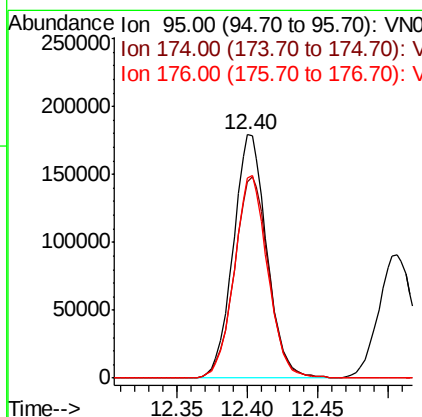
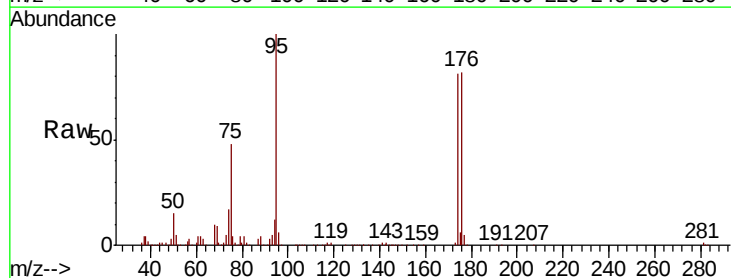
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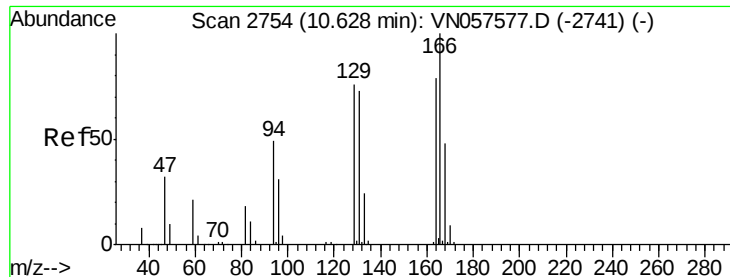
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#60
4-Bromofluorobenzene
Concen: 29.548 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion: 95 Resp: 299278
Ion Ratio Lower Upper
95 100
174 84.6 66.2 99.2
176 82.8 65.0 97.6





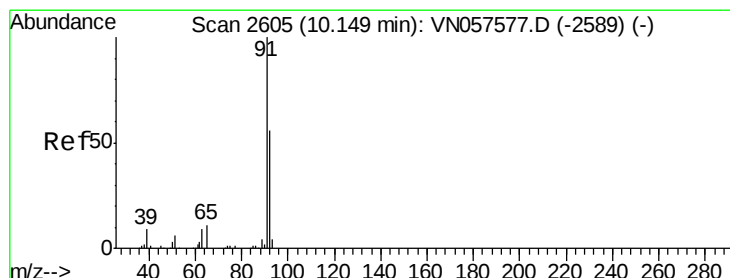
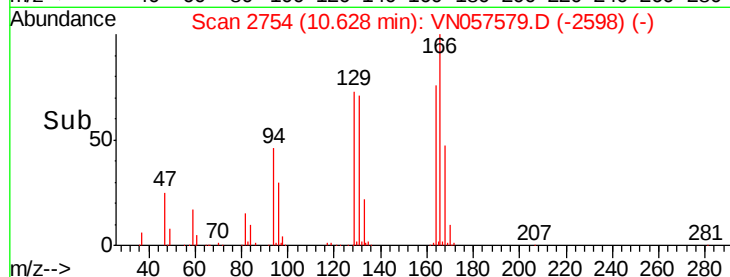
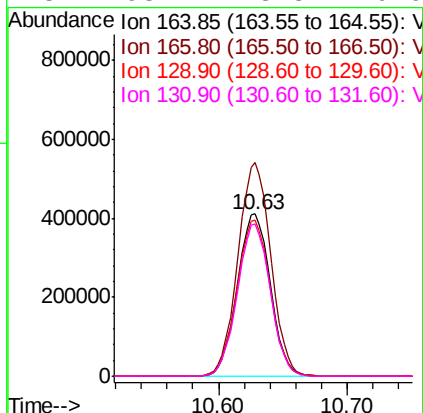
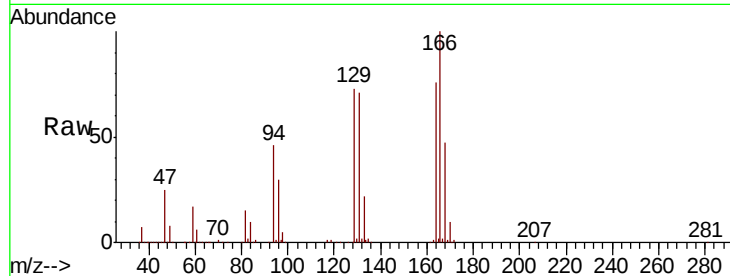
#61
Tetrachloroethene
Concen: 100.927 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	100.7	151.1
129	96.1	76.3	114.5
131	93.7	73.8	110.6

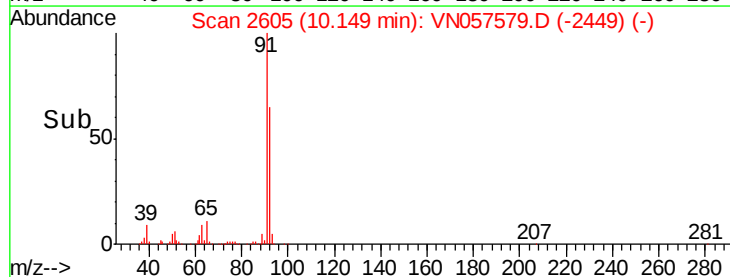
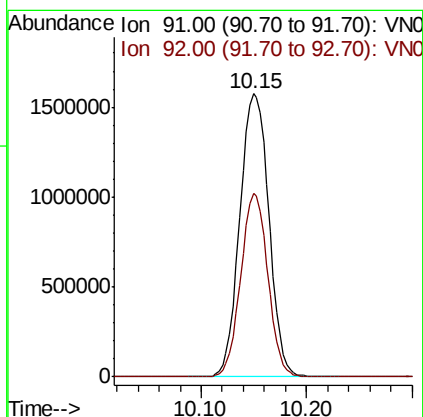
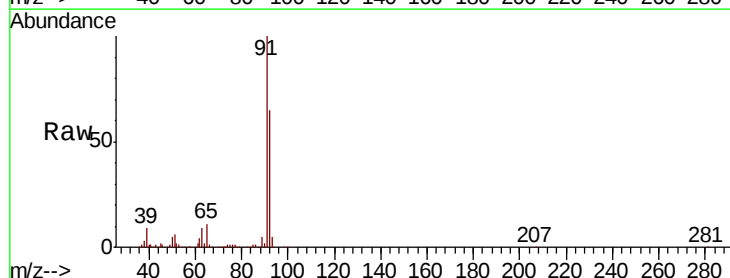
Manual Integrations
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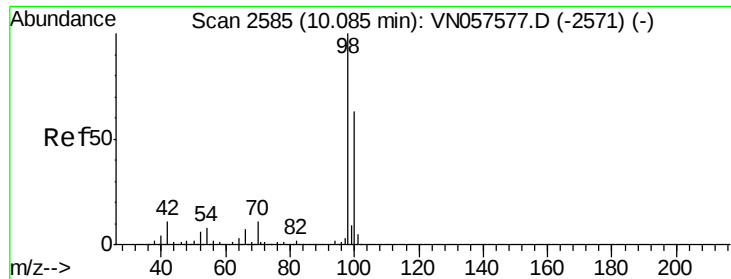
MMDadoda
8/31/2019 10:00:31 AM



#62
Toluene
Concen: 81.292 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.5	45.4	68.2





#63

Toluene-d8

Concen: 27.302 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 98 Resp: 841857

Ion Ratio Lower Upper

98 100

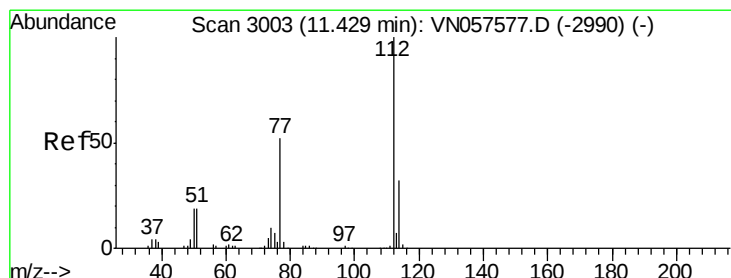
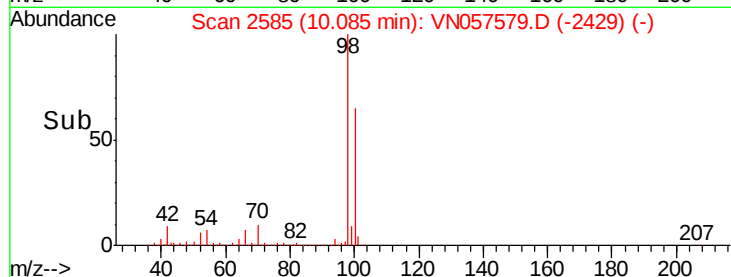
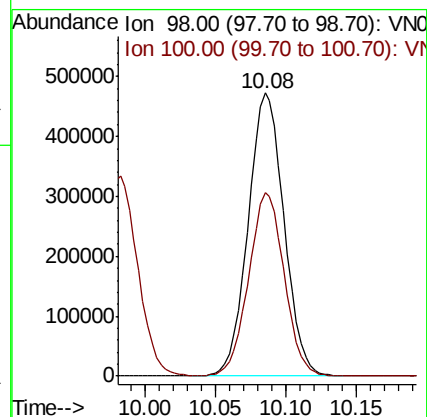
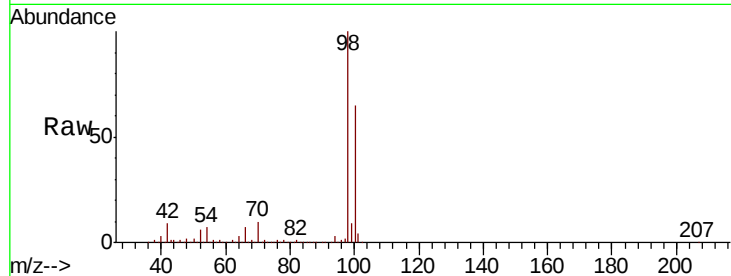
100 64.1 50.2 75.2

Manual Integrations

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#64

Chlorobenzene

Concen: 97.902 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057579.D

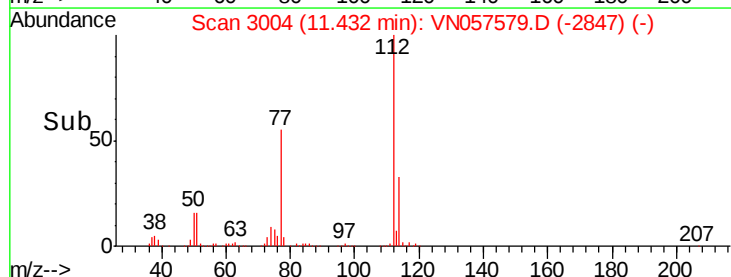
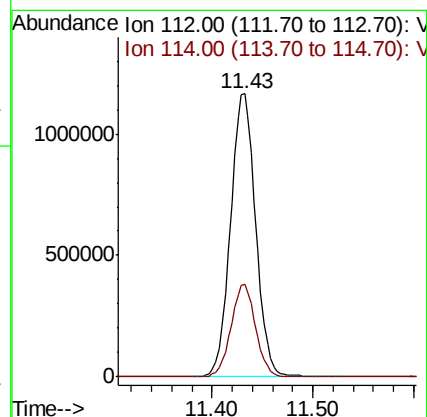
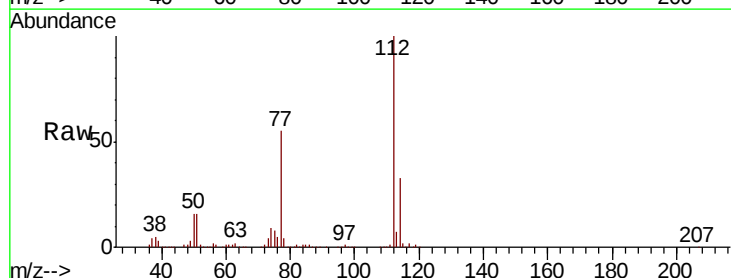
Acq: 30 Aug 2019 10:24

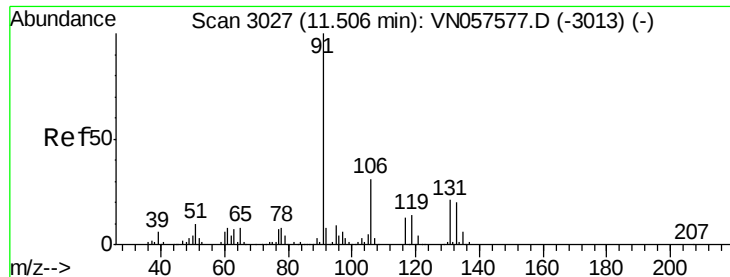
Tgt Ion: 112 Resp: 2027505

Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 102.610 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

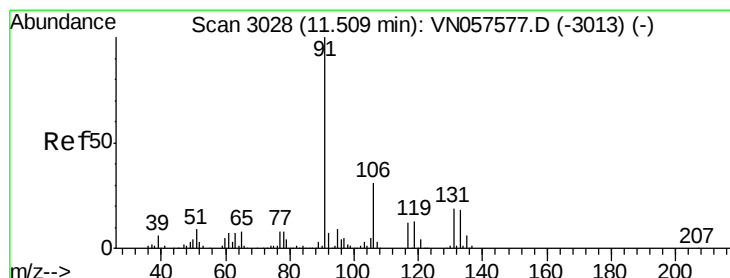
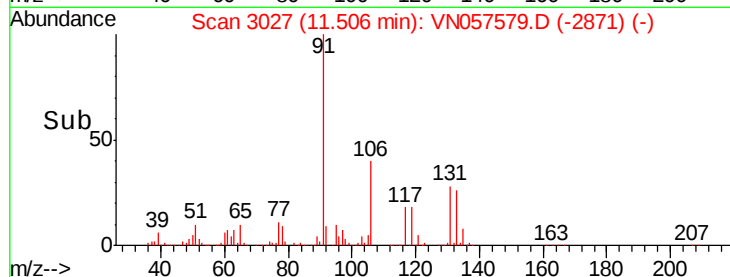
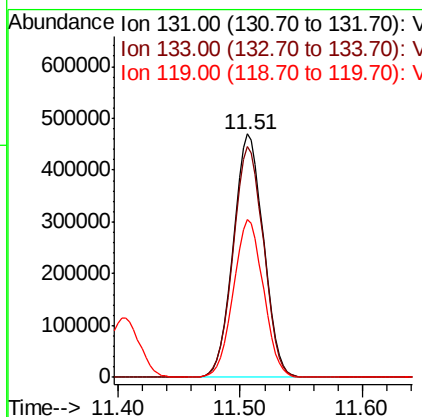
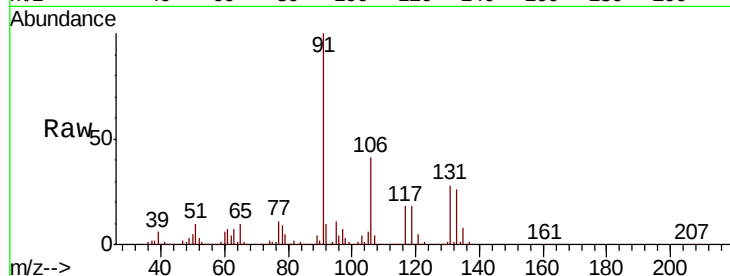
ClientSampleId :

VSTDIC100

Tgt Ion:	131	Resp:	807380
Ion Ratio		Lower	Upper
131	100		
133	95.6	0.0	186.0
119	64.2	0.0	134.6

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#66

Ethyl Benzene

Concen: 79.492 ug/l

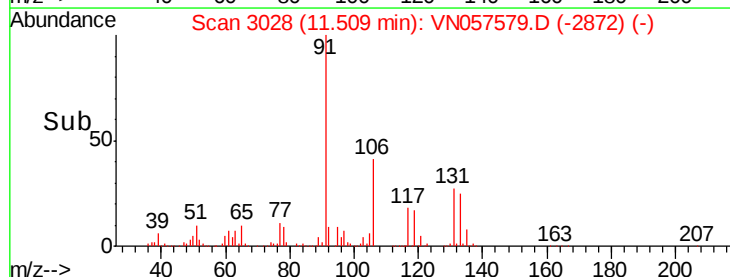
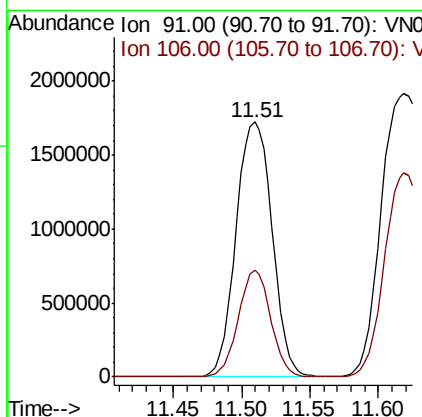
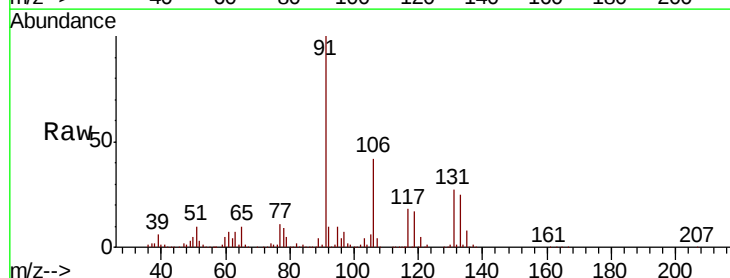
RT: 11.51 min Scan# 3028

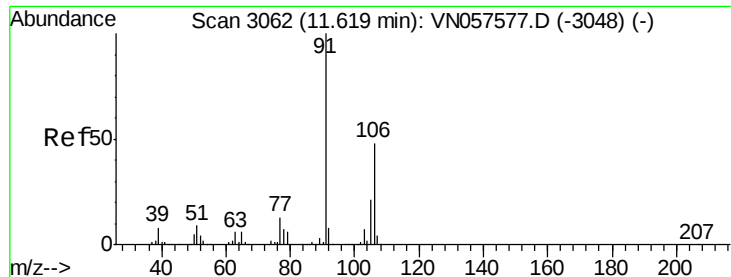
Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Tgt Ion:	91	Resp:	3179227
Ion Ratio		Lower	Upper
91	100		
106	42.1	24.7	37.1#





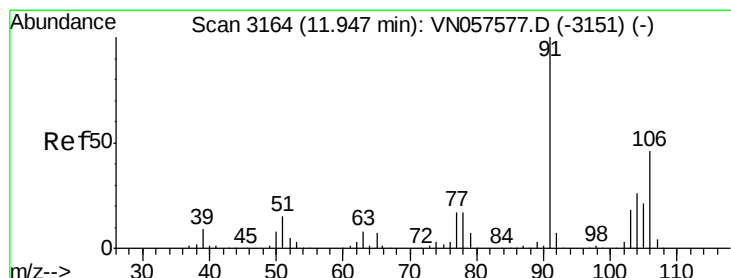
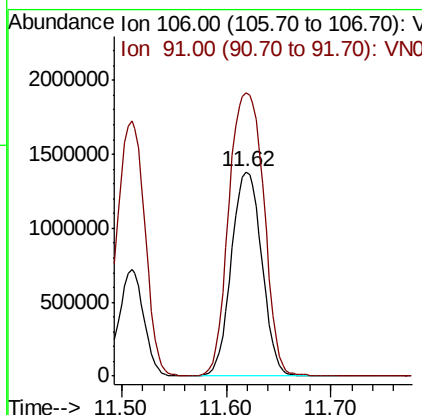
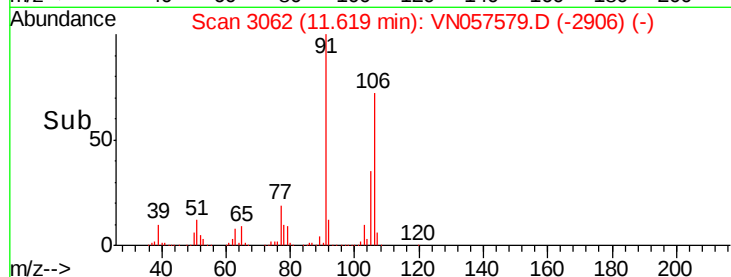
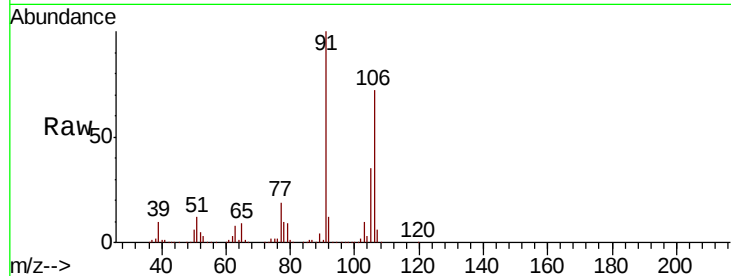
#67
m/p-Xylenes
Concen: 198.470 ug/l m
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 2799295
Ion Ratio Lower Upper
106 100
91 0.0 164.1 246.1#

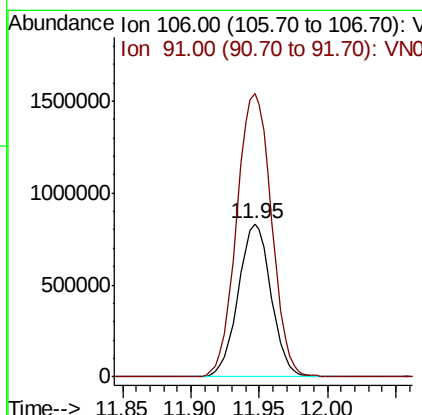
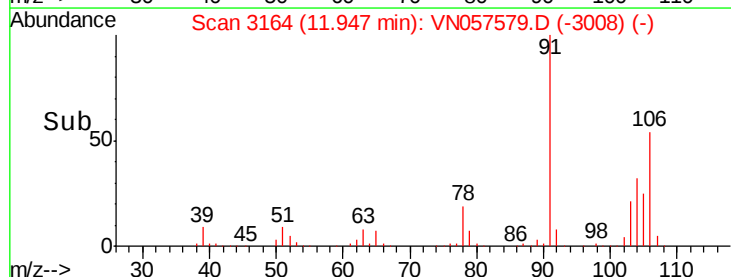
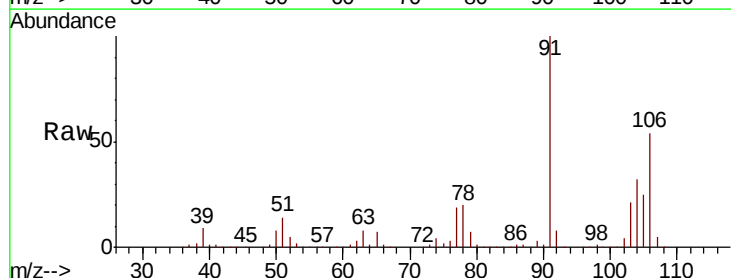
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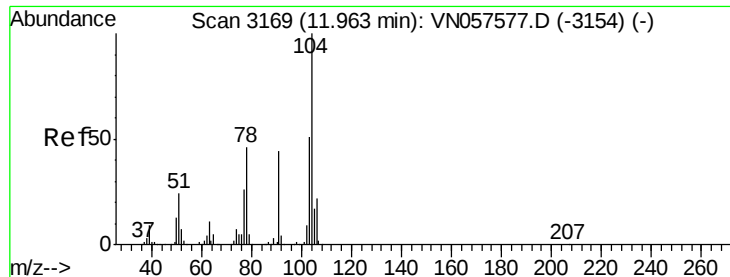
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#68
o-Xylene
Concen: 100.357 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion:106 Resp: 1392708
Ion Ratio Lower Upper
106 100
91 196.7 107.8 323.6





#69

Styrene

Concen: 104.159 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:104 Resp: 2333436

Ion Ratio Lower Upper

104 100

78 48.1 41.4 62.0

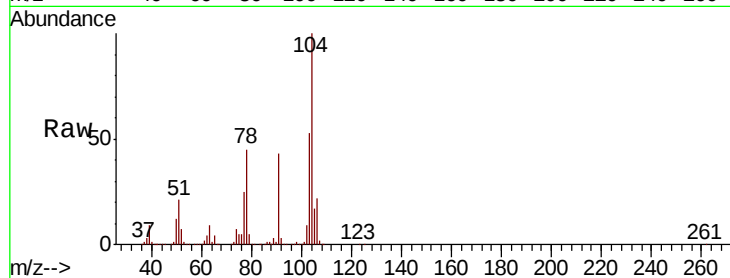
103 56.1 44.8 67.2

Manual Integrations

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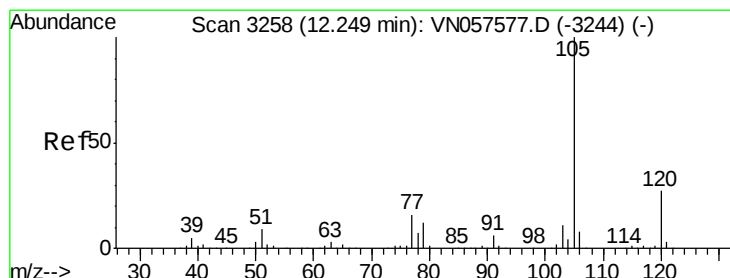
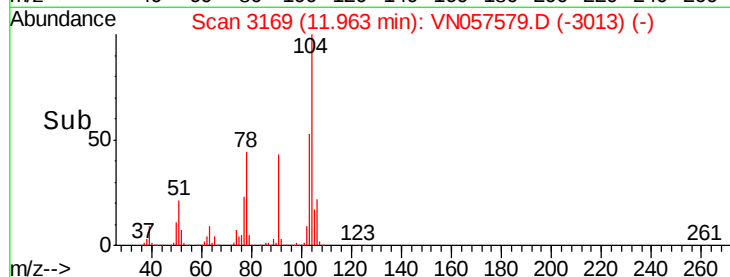
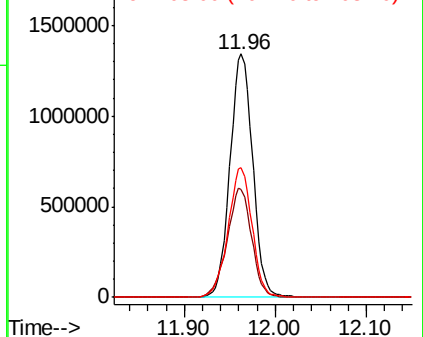
8/31/2019 10:00:31 AM



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 87.786 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057579.D

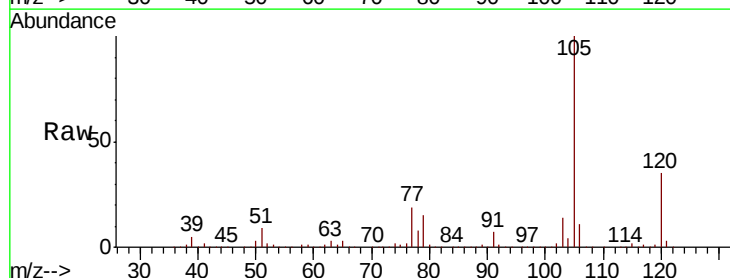
Acq: 30 Aug 2019 10:24

Tgt Ion:105 Resp: 3293737

Ion Ratio Lower Upper

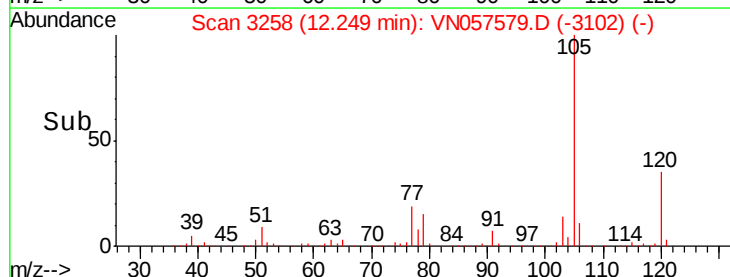
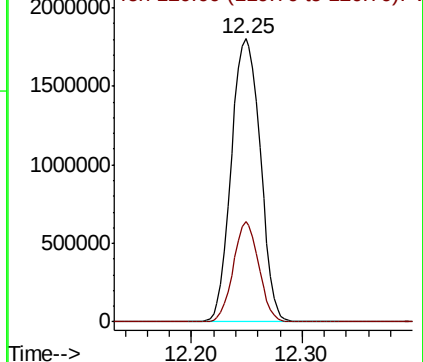
105 100

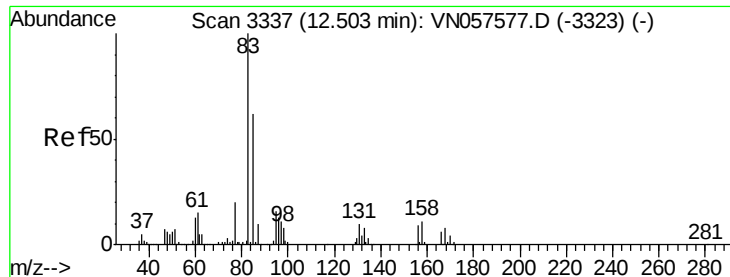
120 31.2 18.7 34.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 86.047 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 904283
Ion Ratio Lower Upper

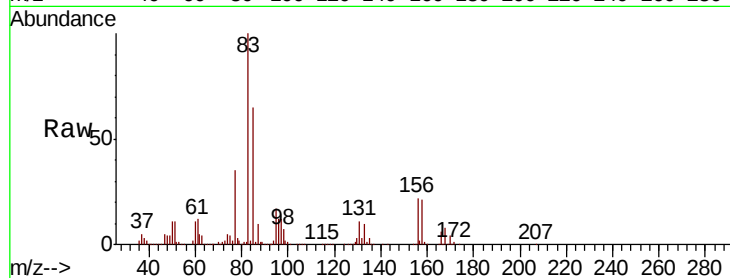
83 100

131 11.1 5.2 15.6

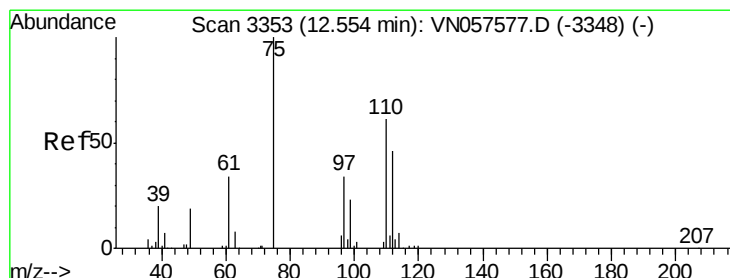
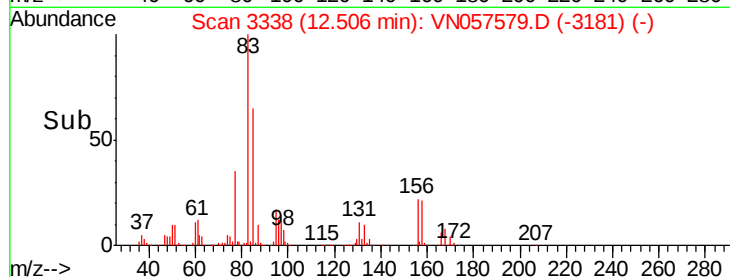
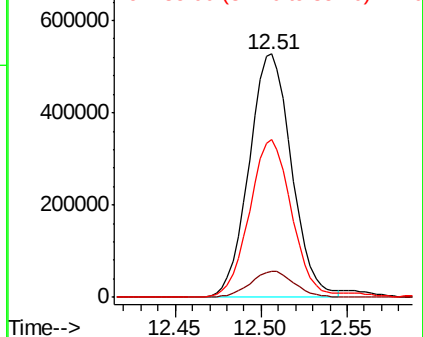
85 64.0 31.6 94.8

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Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 131.00 (130.70 to 131.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#72

1,2,3-Trichloropropane

Concen: 80.307 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

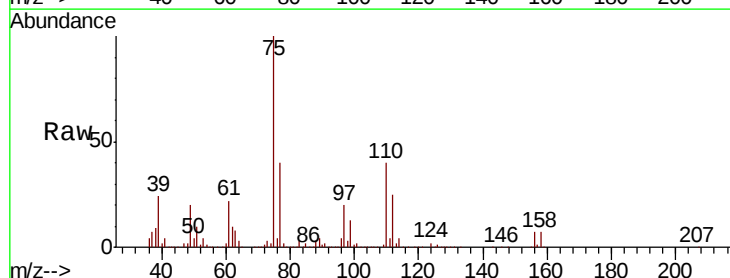
Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

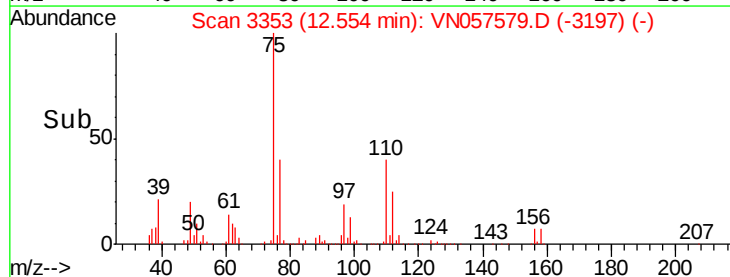
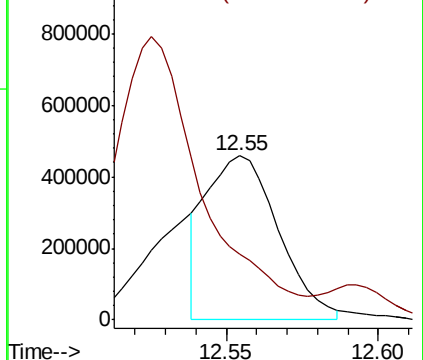
Tgt Ion: 75 Resp: 759620
Ion Ratio Lower Upper

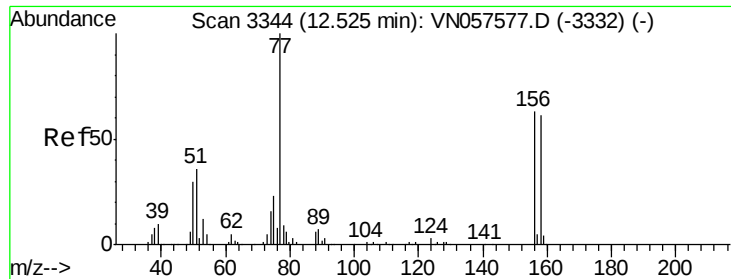
75 100

77 212.4 0.0 399.2



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





#73

Bromobenzene

Concen: 117.936 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

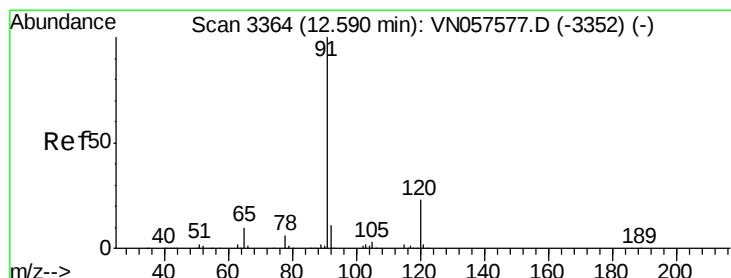
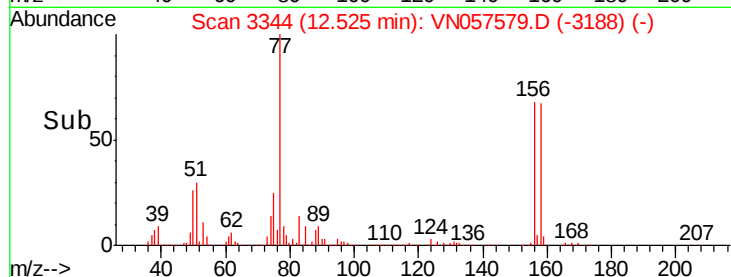
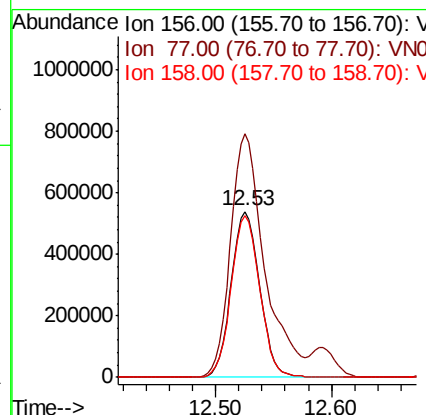
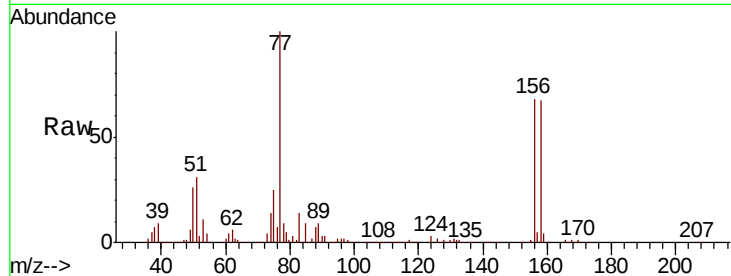
ClientSampled :

VSTDIC100

Tgt Ion:	156	Resp:	918129
Ion Ratio	Lower	Upper	
156	100		
77	175.7	0.0	374.6
158	97.9	0.0	197.4

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#74

n-propylbenzene

Concen: 81.912 ug/l

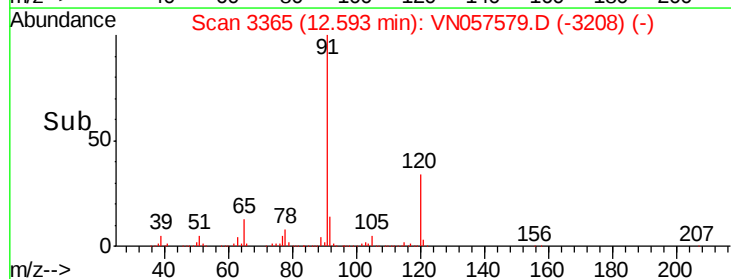
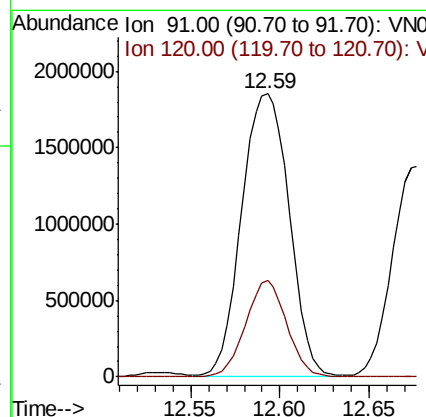
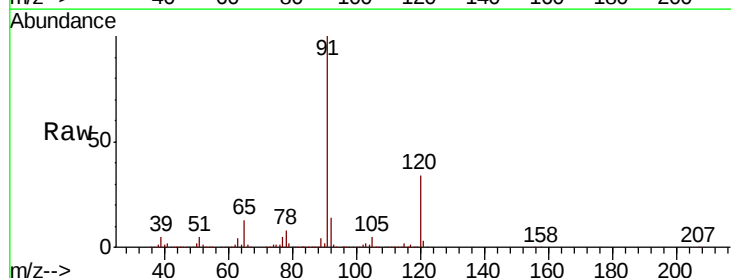
RT: 12.59 min Scan# 3365

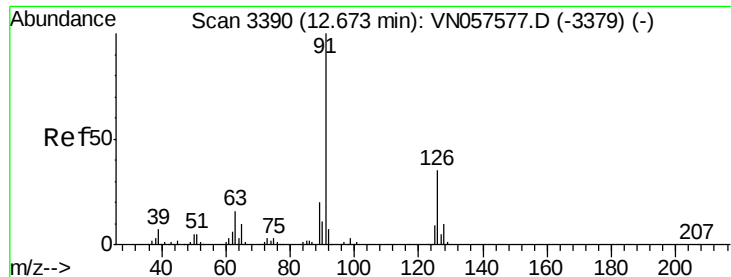
Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Tgt Ion:	91	Resp:	3457323
Ion Ratio	Lower	Upper	
91	100		
120	29.3	0.0	46.6





#75

2-Chlorotoluene

Concen: 95.101 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 2362793

Ion Ratio Lower Upper

91 100

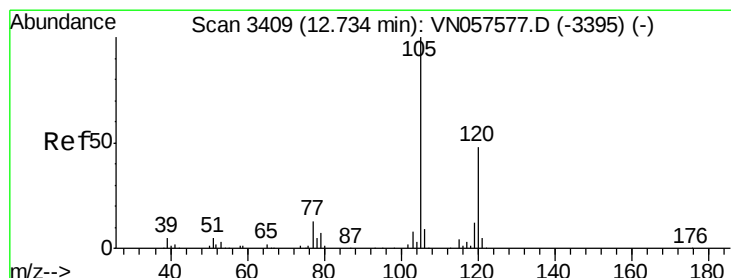
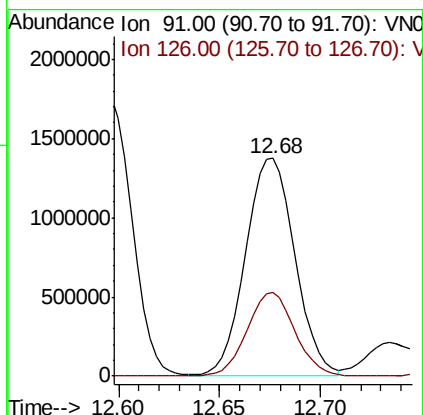
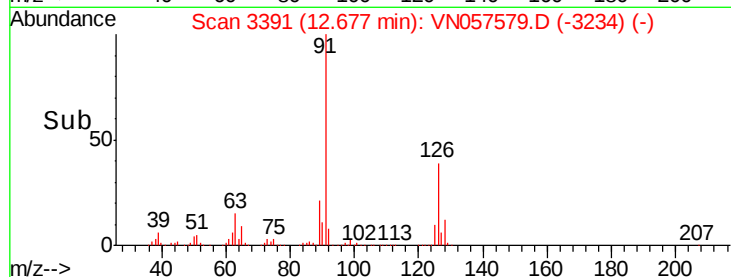
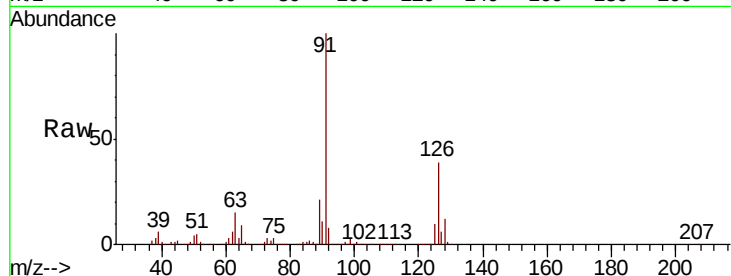
126 37.2 0.0 70.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 94.999 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057579.D

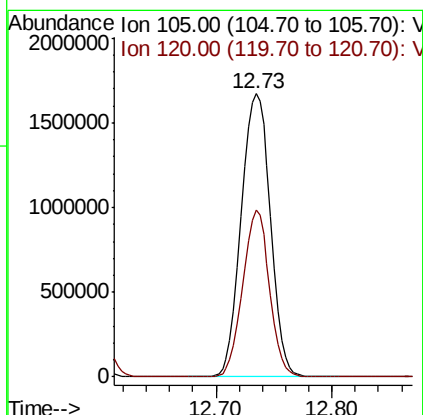
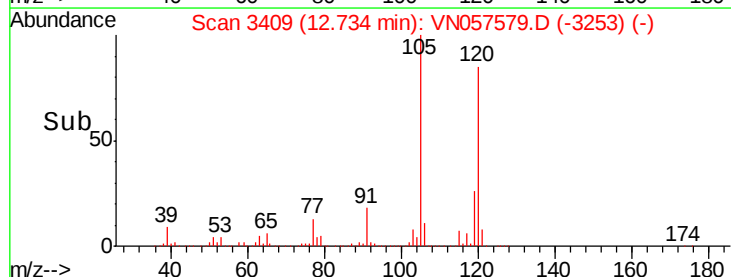
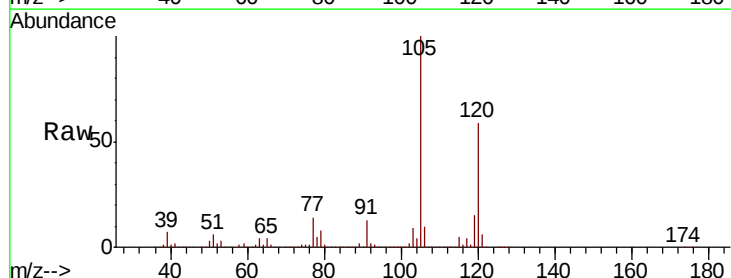
Acq: 30 Aug 2019 10:24

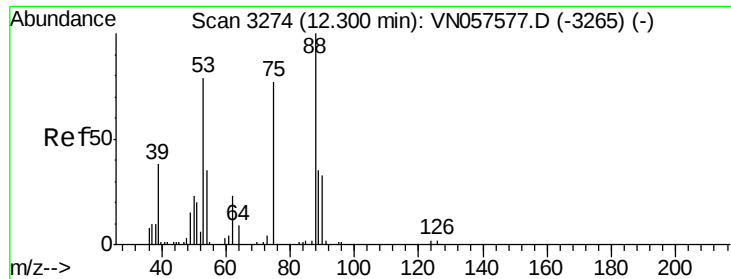
Tgt Ion: 105 Resp: 2926068

Ion Ratio Lower Upper

105 100

120 54.0 0.0 95.8





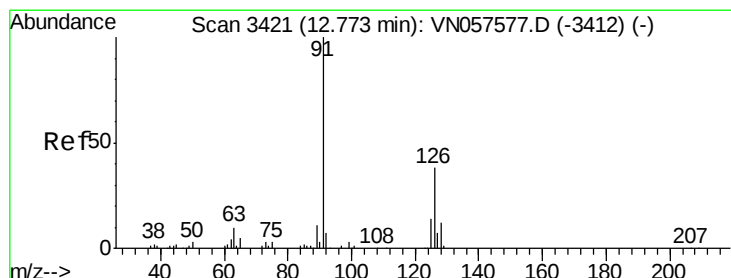
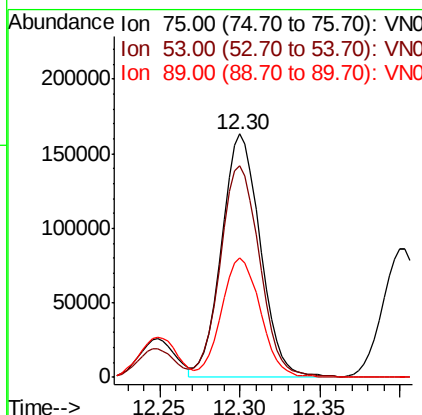
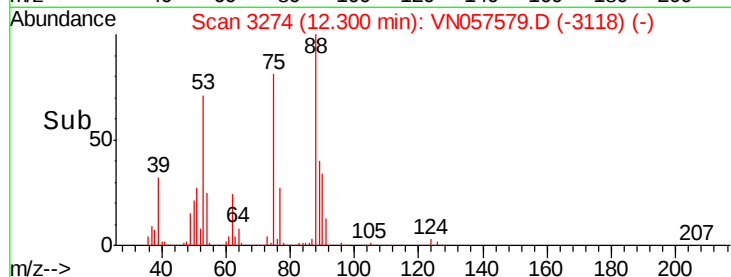
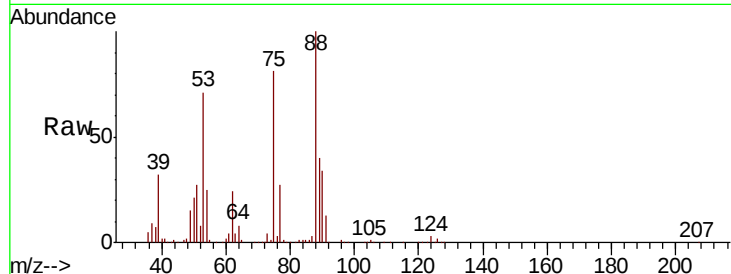
#77
t-1,4-Dichloro-2-butene
Concen: 83.297 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
53	86.8	52.8	158.4
89	49.1	23.2	69.5

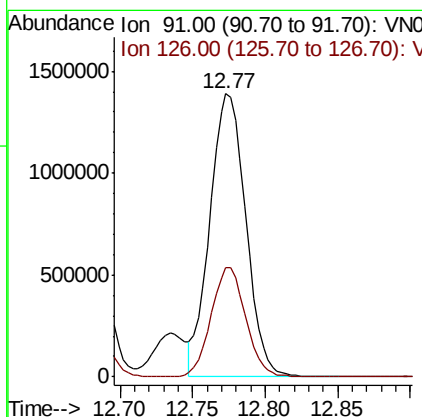
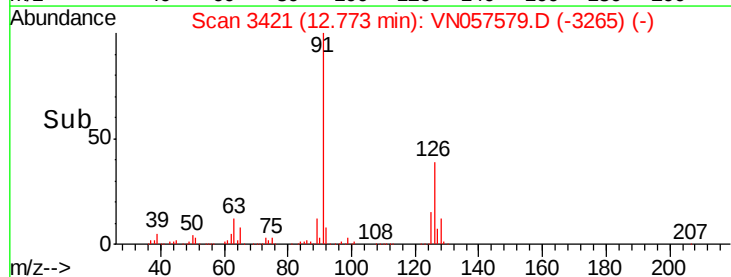
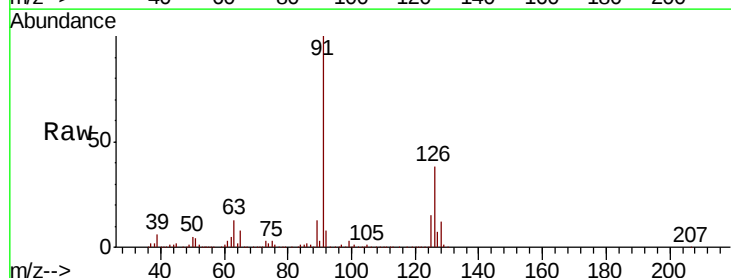
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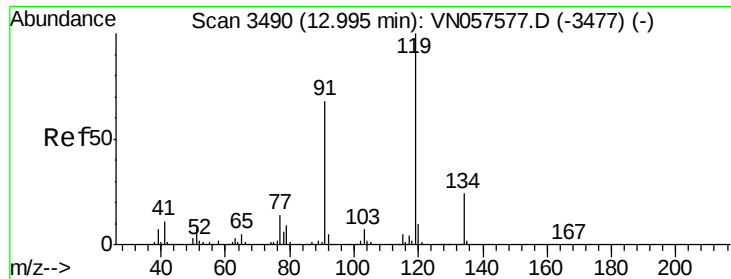
MMDadoda
8/31/2019 10:00:31 AM



#78
4-Chlorotoluene
Concen: 100.142 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.3	0.0	68.6





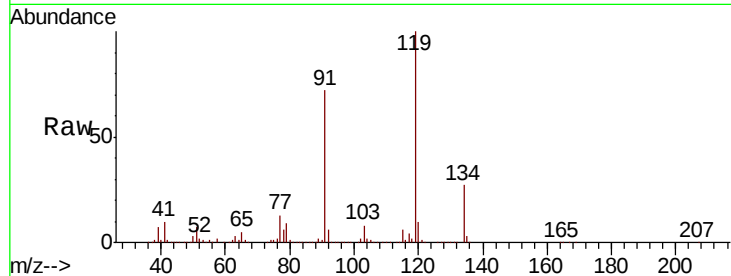
#79
tert-butylbenzene
Concen: 101.242 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

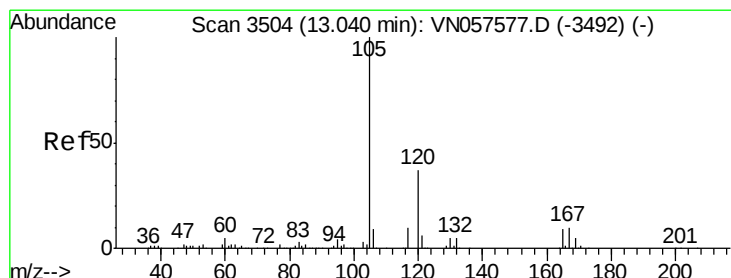
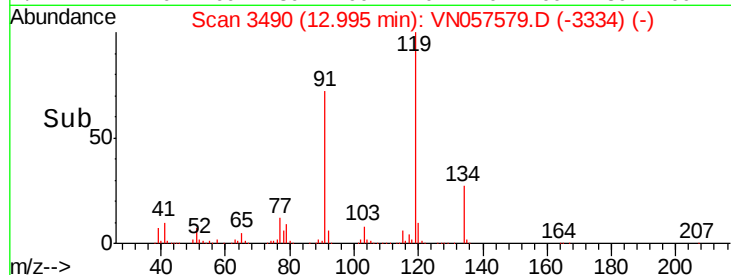
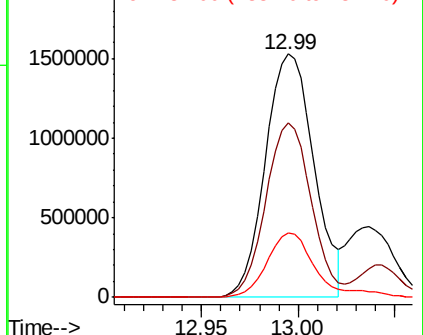
Tgt Ion:119 Resp: 2680134
Ion Ratio Lower Upper
119 100
91 67.5 0.0 137.6
134 24.8 0.0 47.8

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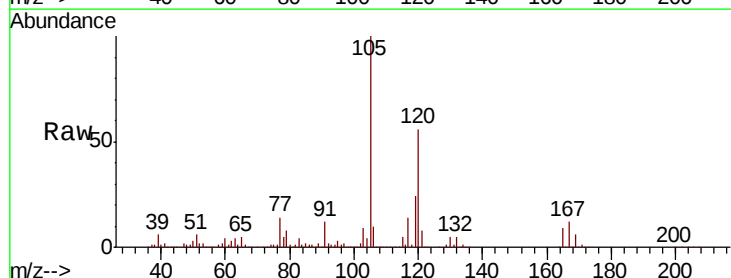


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

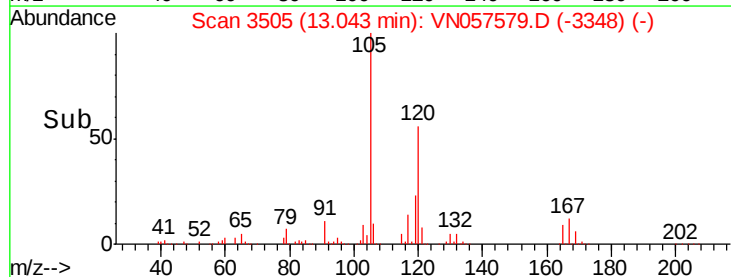
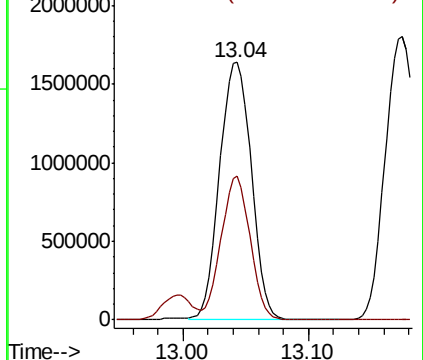


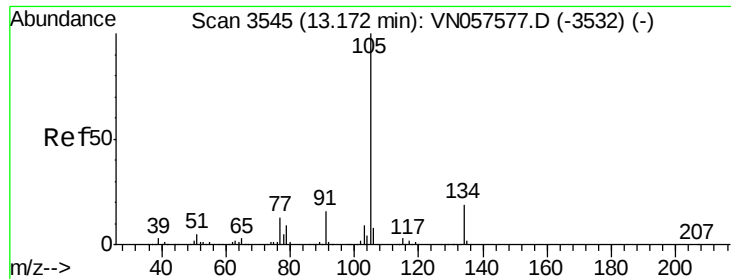
#80
1,2,4-Trimethylbenzene
Concen: 99.350 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion:105 Resp: 2876551
Ion Ratio Lower Upper
105 100
120 51.0 0.0 87.2



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





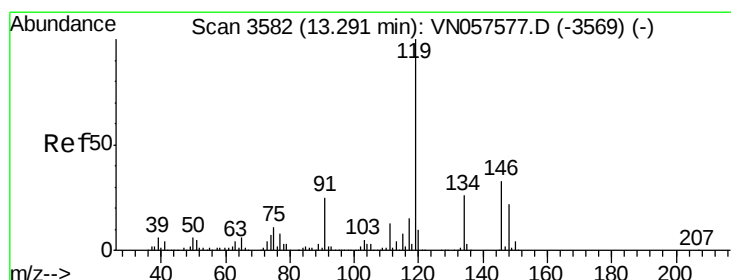
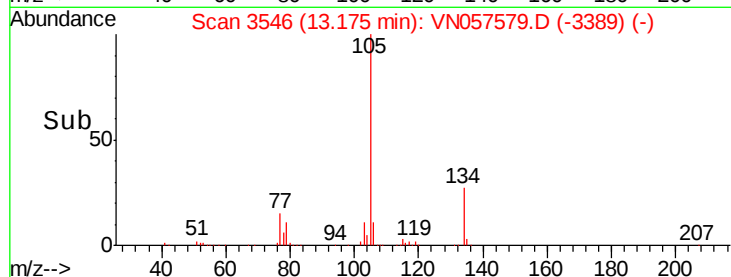
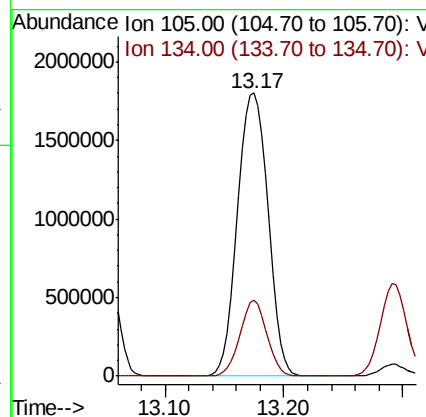
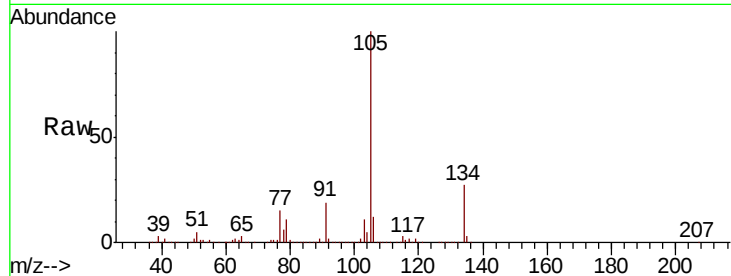
#81
 sec-Butylbenzene
 Concen: 92.643 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 3215981
 Ion Ratio Lower Upper
 105 100
 134 23.4 0.0 39.2

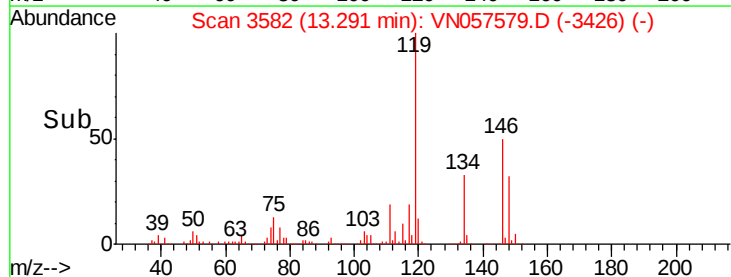
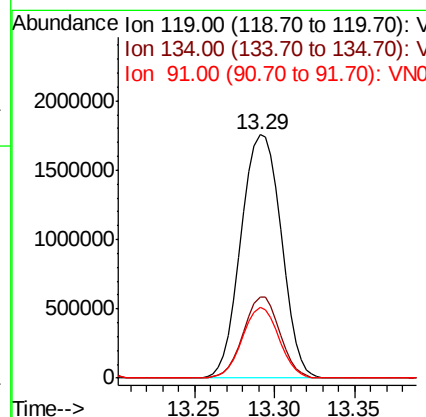
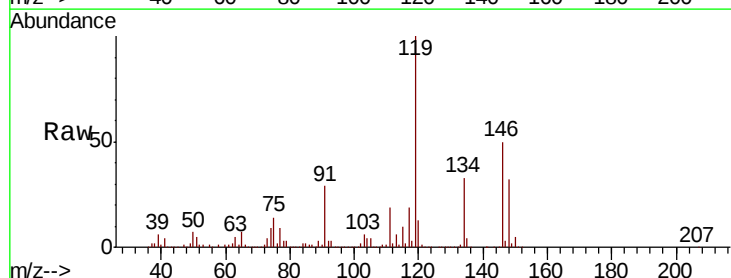
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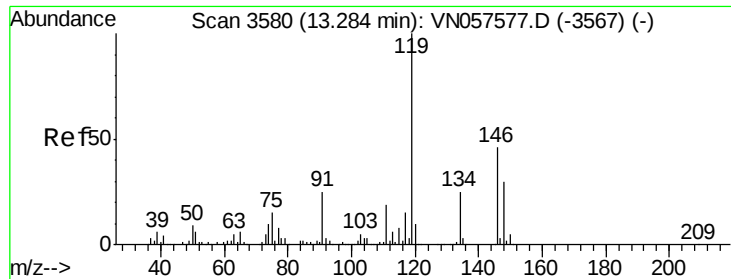
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 8/31/2019 10:00:31 AM



#82
 p-Isopropyltoluene
 Concen: 101.808 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion:119 Resp: 3013279
 Ion Ratio Lower Upper
 119 100
 134 30.2 0.0 51.6
 91 26.5 0.0 50.8





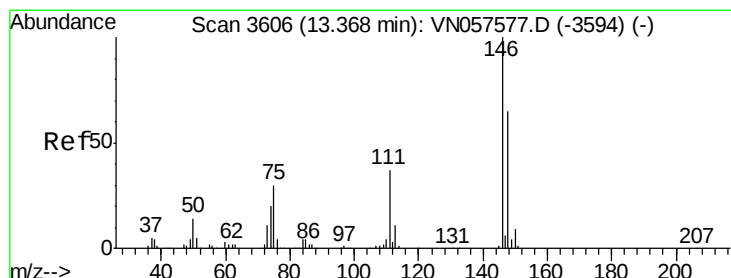
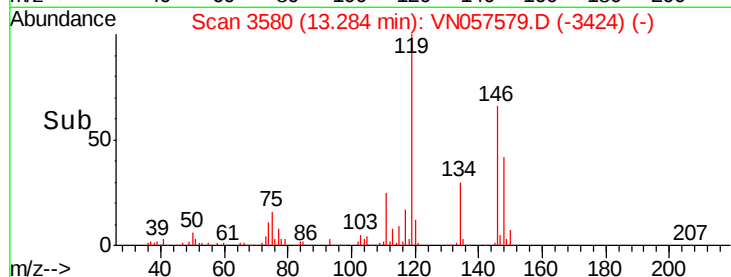
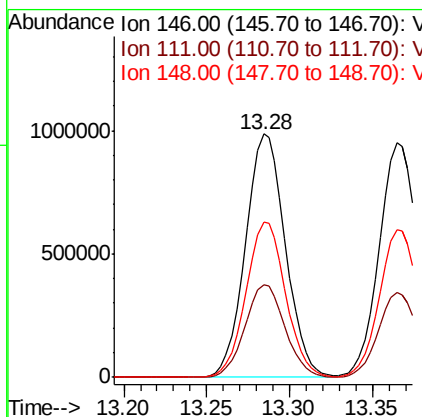
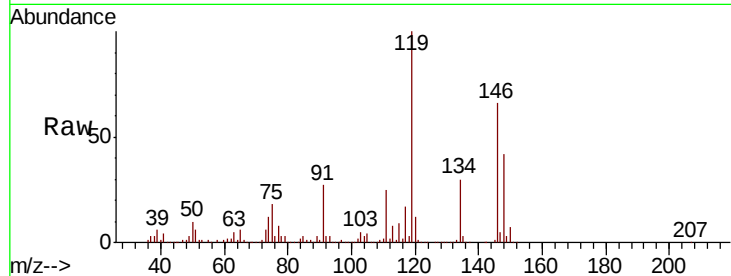
#83
 1,3-Dichlorobenzene
 Concen: 134.939 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion:146 Resp: 1646574
 Ion Ratio Lower Upper
 146 100
 111 38.1 20.0 60.0
 148 63.4 32.3 96.9

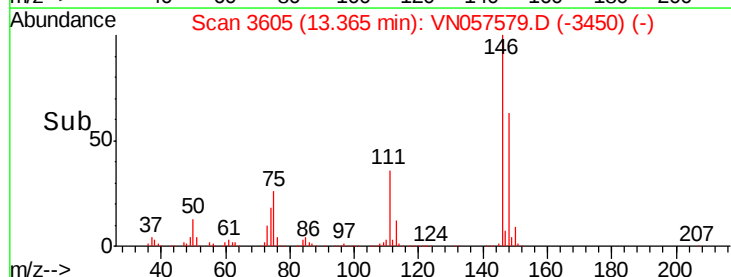
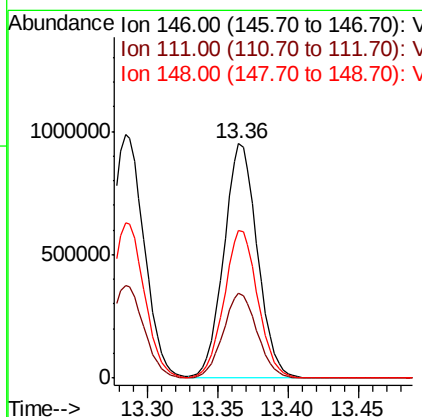
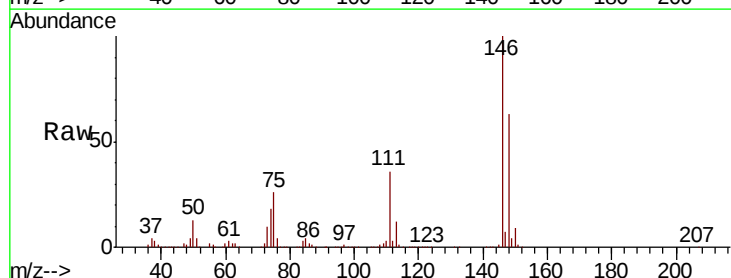
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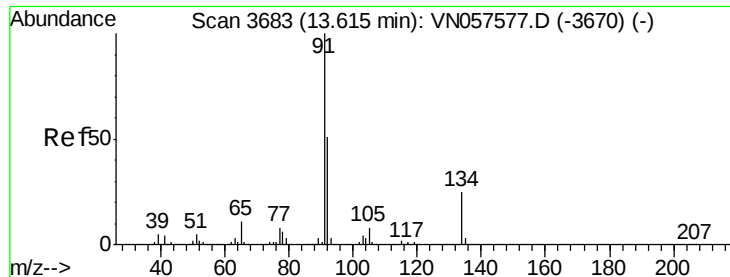
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 8/31/2019 10:00:31 AM



#84
 1,4-Dichlorobenzene
 Concen: 132.749 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion:146 Resp: 1577508
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.3 57.9
 148 63.2 32.2 96.6





#85

n-Butylbenzene

Concen: 99.472 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 2509686

Ion Ratio Lower Upper

91 100

92 55.5 0.0 103.0

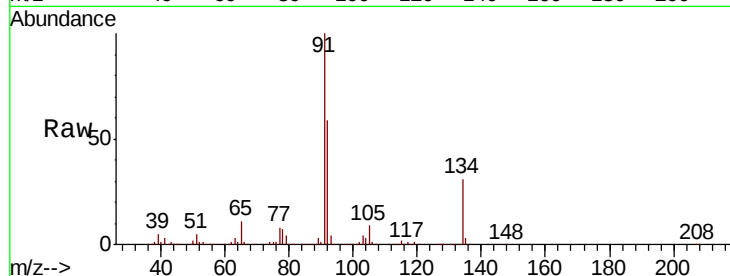
134 29.0 0.0 51.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057577.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN057577.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN057577.D (-3670) (-)

13.62

1500000

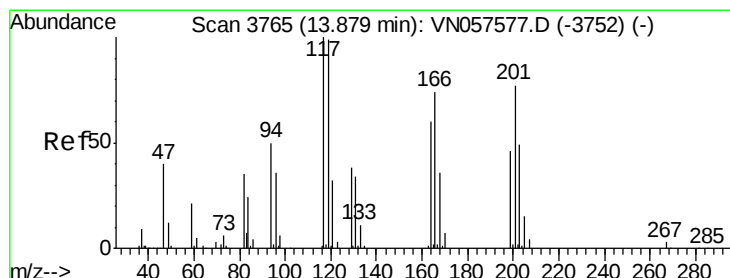
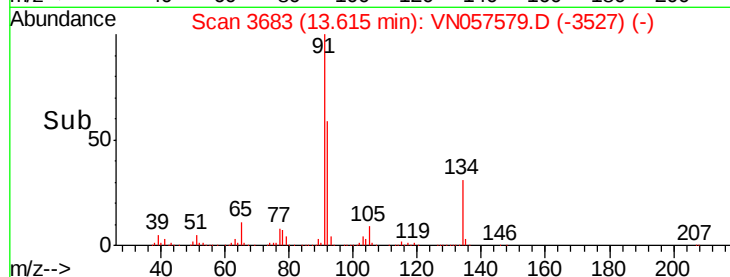
1000000

500000

0

13.55 13.60 13.65 13.70

Time-->



#86

Hexachloroethane

Concen: 103.842 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057579.D

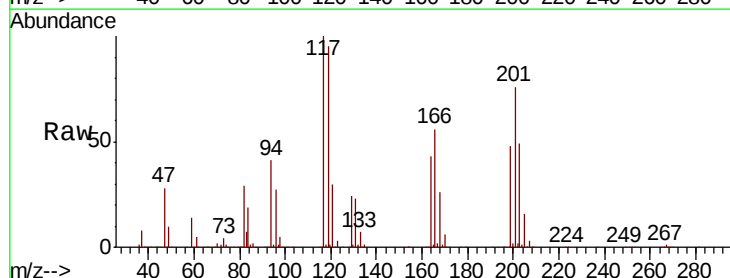
Acq: 30 Aug 2019 10:24

Tgt Ion: 117 Resp: 595325

Ion Ratio Lower Upper

117 100

201 78.9 38.0 113.9



Abundance Ion 117.00 (116.70 to 117.70): VN057577.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN057577.D (-3752) (-)

13.88

400000

300000

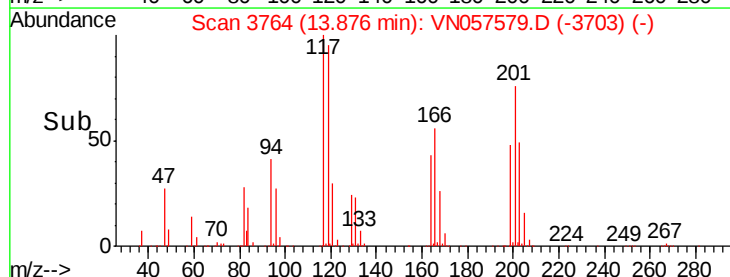
200000

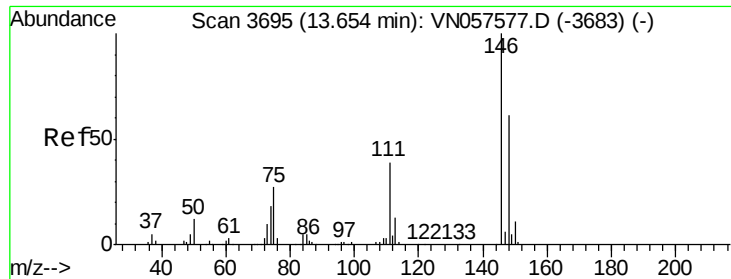
100000

0

13.80 13.85 13.90 13.95

Time-->





#87

1,2-Dichlorobenzene

Concen: 129.194 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 146 Resp: 1547932

Ion Ratio Lower Upper

146 100

111 39.1 19.9 59.6

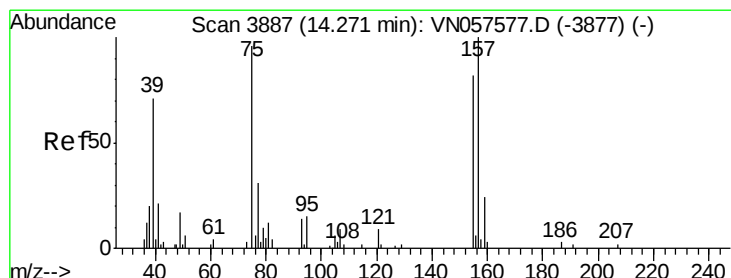
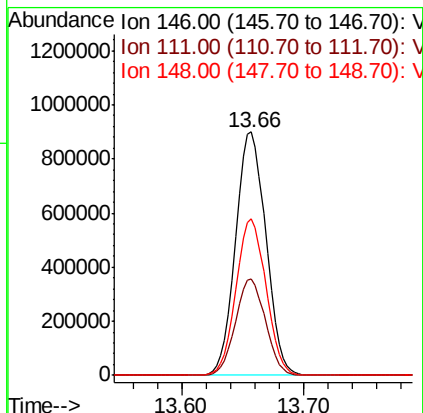
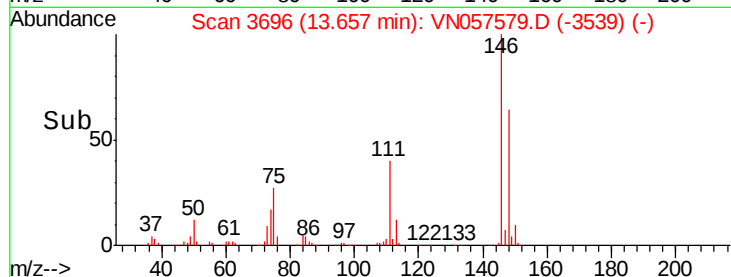
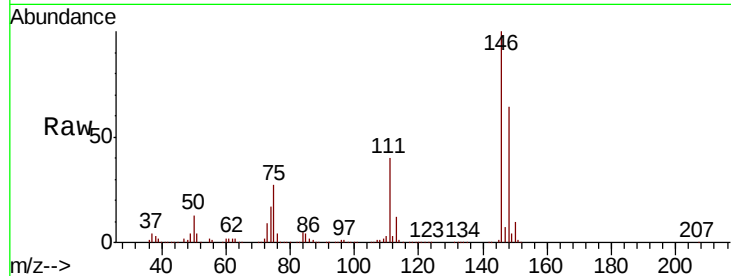
148 63.4 31.2 93.6

Manual Integrations

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#88

1,2-Dibromo-3-Chloropropane

Concen: 85.459 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN057579.D

Acq: 30 Aug 2019 10:24

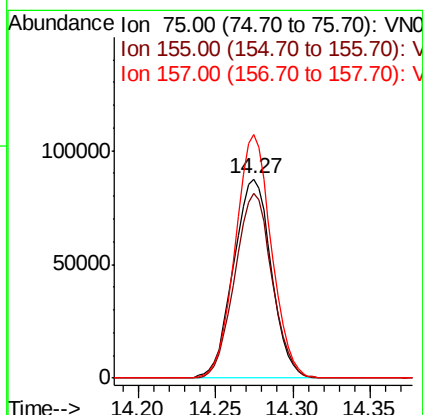
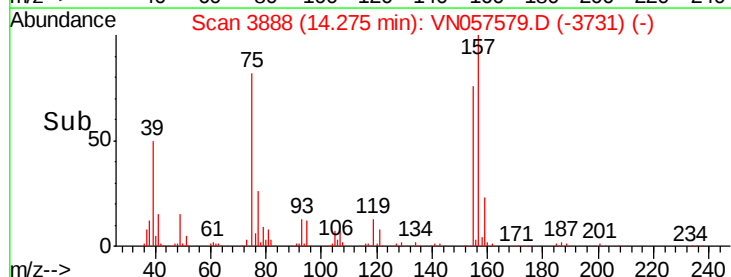
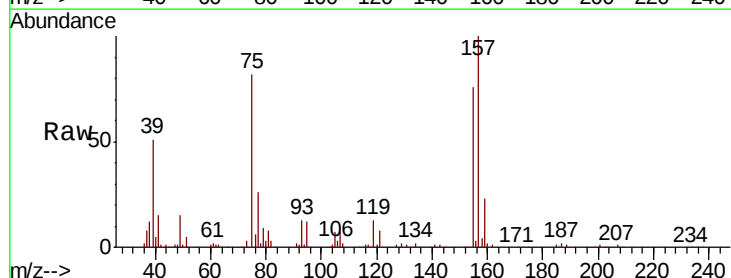
Tgt Ion: 75 Resp: 148656

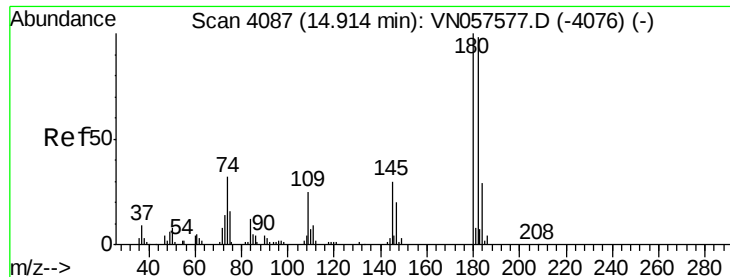
Ion Ratio Lower Upper

75 100

155 91.2 66.5 99.7

157 116.6 88.4 132.6





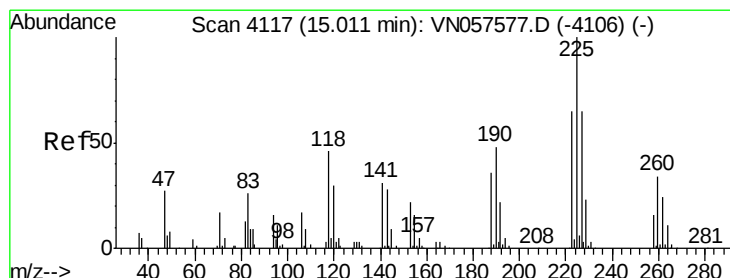
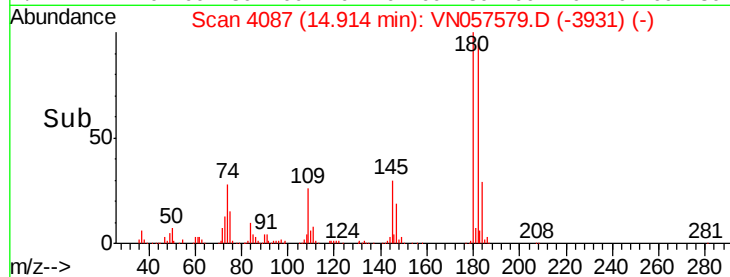
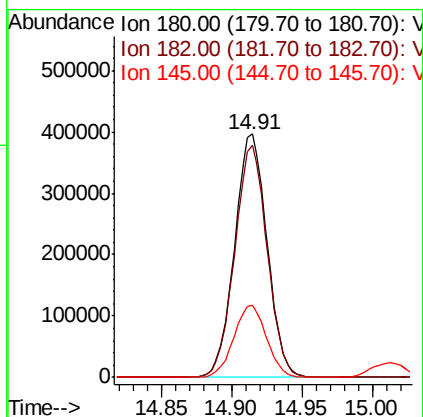
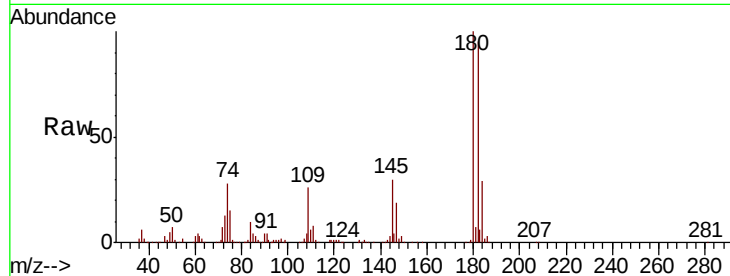
#89
 1,2,4-Trichlorobenzene
 Concen: 143.012 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	640267		
182	95.0	76.6	115.0	
145	29.7	24.4	36.6	

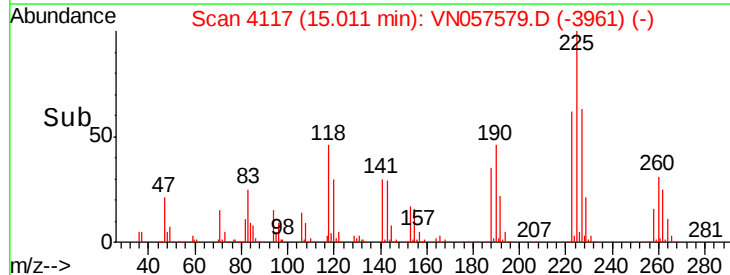
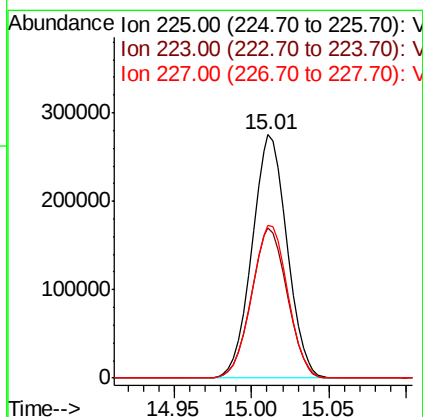
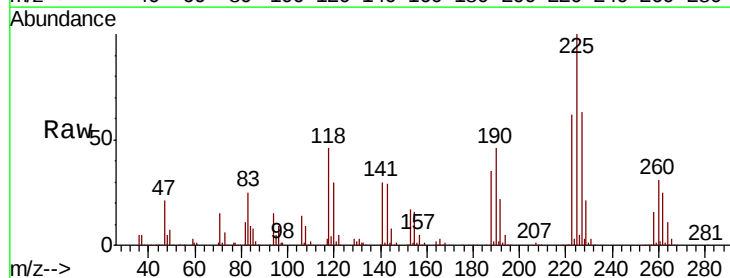
Manual Integrations
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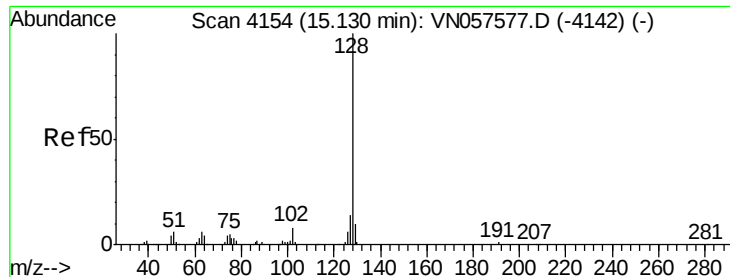
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 8/31/2019 10:00:31 AM



#90
 Hexachlorobutadiene
 Concen: 125.041 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057579.D
 Acq: 30 Aug 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	433776		
223	63.1	0.0	130.6	
227	64.5	0.0	131.0	





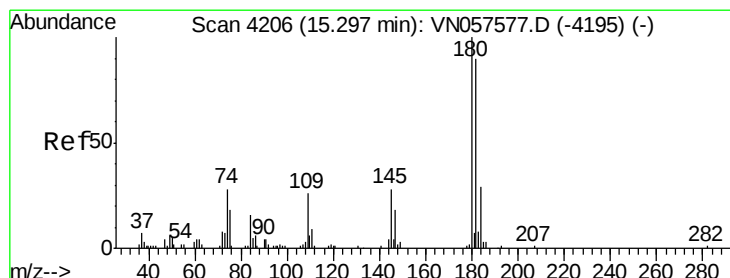
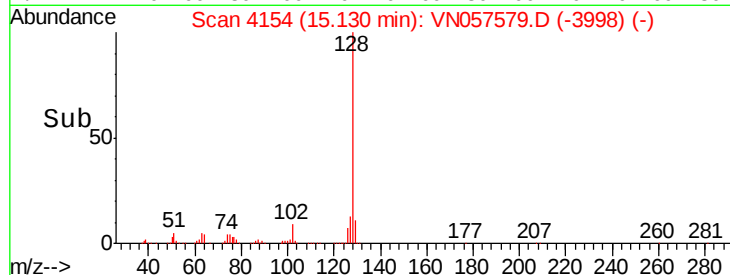
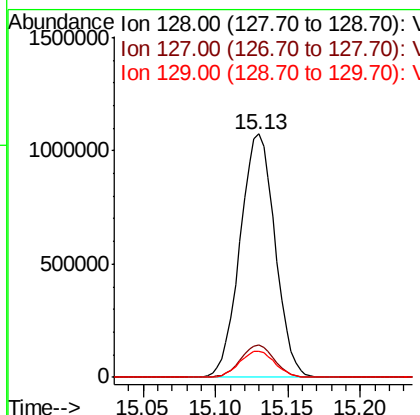
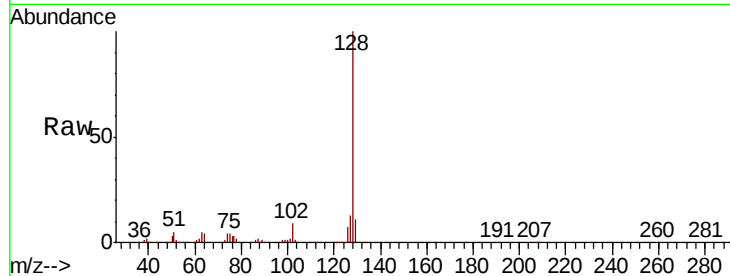
#91
Naphthalene
Concen: 128.172 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.7	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
8/31/2019 10:00:31 AM



#92
1,2,3-Trichlorobenzene
Concen: 142.388 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057579.D
Acq: 30 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	181.0
145	31.2	0.0	62.2

