

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059528.D
 Acq On : 9 Dec 2019 15:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 12/10/2019 5:10:43 PM

Quant Time: Dec 09 16:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	269050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	429876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	474048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	73279	21.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.90%	
35) Dibromofluoromethane	7.57	113	52462	20.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.14%	
50) Toluene-d8	10.08	98	247682	24.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.42%	
62) 4-Bromofluorobenzene	12.40	95	89486	24.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	61276	20.698	ug/l	98
3) Chloromethane	2.04	50	98878	24.471	ug/l	98
4) Vinyl Chloride	2.17	62	93272	34.247	ug/l	99
5) Bromomethane	2.54	94	56981	34.000	ug/l	99
6) Chloroethane	2.68	64	56845	35.727	ug/l	95
7) Trichlorofluoromethane	3.00	101	118275	36.412	ug/l	100
8) Diethyl Ether	3.38	74	36227	19.671	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57598	20.632	ug/l	99
10) Methyl Iodide	3.93	142	73957	21.110	ug/l	99
11) Tert butyl alcohol	4.75	59	61714	100.994	ug/l	99
12) 1,1-Dichloroethene	3.71	96	53526	19.760	ug/l	94
13) Acrolein	3.58	56	18226	38.777	ug/l	99
14) Allyl chloride	4.30	41	106821	19.856	ug/l	99
15) Acrylonitrile	4.95	53	167683	101.281	ug/l	99
16) Acetone	3.79	43	163529	74.492	ug/l	95
17) Carbon Disulfide	4.03	76	179826	19.311	ug/l	100
18) Methyl Acetate	4.29	43	90898	20.651	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	191481	20.546	ug/l	98
20) Methylene Chloride	4.52	84	65964	19.126	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	60299	19.781	ug/l	97
22) Diisopropyl ether	5.92	45	211821	21.116	ug/l	99
23) Vinyl Acetate	5.87	43	899480	111.224	ug/l	100
24) 1,1-Dichloroethane	5.82	63	119877	21.068	ug/l	98
25) 2-Butanone	6.81	43	241049	97.124	ug/l	99
26) 2,2-Dichloropropane	6.80	77	107658	21.669	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	68997	20.339	ug/l	99
28) Bromochloromethane	7.17	49	46581	25.693	ug/l	99
29) Tetrahydrofuran	7.18	42	163066	103.991	ug/l	99
30) Chloroform	7.35	83	118645	21.430	ug/l	96
31) Cyclohexane	7.63	56	111384	20.334	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	104940	21.737	ug/l	99
36) 1,1-Dichloropropene	7.77	75	90444	20.644	ug/l	99
37) Ethyl Acetate	6.90	43	102289	20.896	ug/l	99
38) Carbon Tetrachloride	7.75	117	91056	21.508	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	101319	19.373	ug/l	98
40) Benzene	8.02	78	260730	20.411	ug/l	99
41) Methacrylonitrile	7.16	41	44847m	22.213	ug/l	
42) 1,2-Dichloroethane	8.10	62	100041	22.552	ug/l	100
43) Isopropyl Acetate	8.14	43	156934	21.425	ug/l	99
44) Trichloroethene	8.82	130	65502	19.661	ug/l	98
45) 1,2-Dichloropropane	9.10	63	70936	20.750	ug/l	98
46) Dibromomethane	9.19	93	45832	21.418	ug/l	98
47) Bromodichloromethane	9.39	83	92106	21.391	ug/l	99
48) Methyl methacrylate	9.18	41	70134	21.261	ug/l	99
49) 1,4-Dioxane	9.19	88	18259	375.770	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	540906	124.663	ug/l	100
52) Toluene	10.15	92	188472	24.455	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	122301	24.220	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	110261	20.698	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	76146	25.023	ug/l	99
56) Ethyl methacrylate	10.42	69	111599	25.314	ug/l	92
57) 1,3-Dichloropropane	10.70	76	125546	23.761	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154213	119.722	ug/l	100
59) 2-Hexanone	10.74	43	396370	121.383	ug/l	95
60) Dibromochloromethane	10.90	129	81897	25.046	ug/l	100
61) 1,2-Dibromoethane	11.00	107	77653	24.633	ug/l	99
64) Tetrachloroethene	10.63	164	71585	18.639	ug/l	97
65) Chlorobenzene	11.43	112	198683	19.690	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	74209	20.395	ug/l	99
67) Ethyl Benzene	11.51	91	357701	20.188	ug/l	100
68) m/p-Xylenes	11.62	106	278069	41.804	ug/l	99
69) o-Xylene	11.95	106	121267	19.143	ug/l	100
70) Styrene	11.96	104	192646	18.987	ug/l	99
71) Bromoform	12.12	173	59035	20.535	ug/l #	99
73) Isopropylbenzene	12.25	105	358203	22.386	ug/l	99
74) N-amyl acetate	12.07	43	147501	22.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	120482	23.195	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112072m	21.851	ug/l	
77) Bromobenzene	12.53	156	85397	21.076	ug/l	94
78) n-propylbenzene	12.59	91	423806	22.531	ug/l	100
79) 2-Chlorotoluene	12.67	91	246901	21.743	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	306795	22.653	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42592	22.538	ug/l	95
82) 4-Chlorotoluene	12.77	91	258252	21.954	ug/l	100
83) tert-Butylbenzene	12.99	119	249239	21.222	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	300614	22.654	ug/l	100
85) sec-Butylbenzene	13.17	105	343139	21.984	ug/l	100
86) p-Isopropyltoluene	13.29	119	302975	21.587	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	152177	21.102	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	132723	18.228	ug/l	99
89) n-Butylbenzene	13.62	91	244081	19.355	ug/l	97
90) Hexachloroethane	13.88	117	47855	17.695	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	124331	18.011	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22938	18.298	ug/l	88

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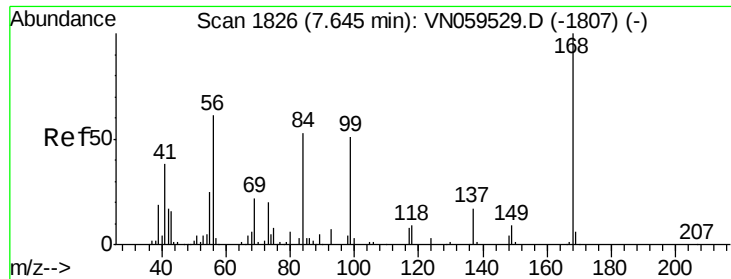
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79401	18.288	ug/l	99
94) Hexachlorobutadiene	15.01	225	43328	16.030	ug/l	98
95) Naphthalene	15.13	128	227378	17.861	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	77828	16.758	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 269050

Ion Ratio Lower Upper

168 100

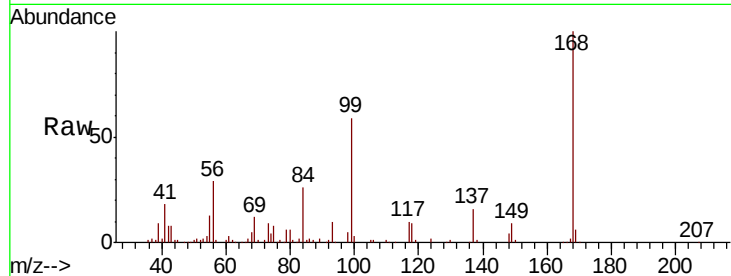
99 58.4 46.6 70.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

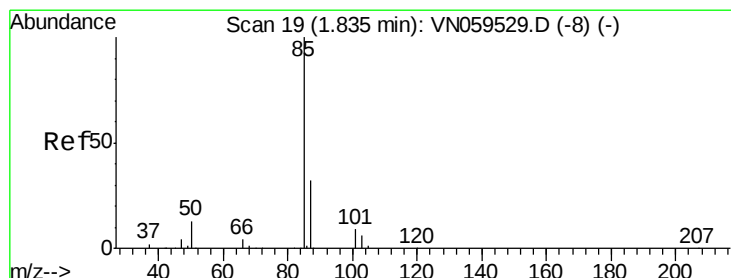
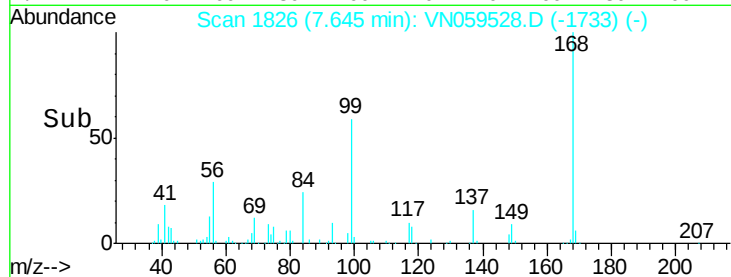
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.698 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059528.D

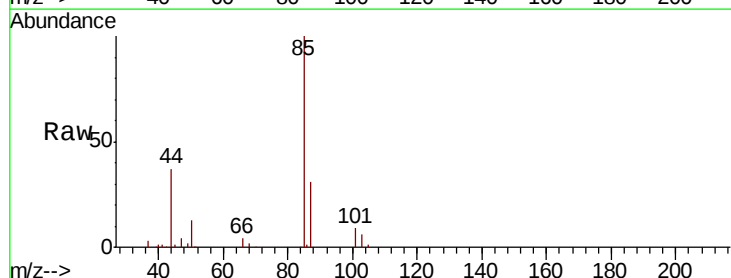
Acq: 9 Dec 2019 15:30

Tgt Ion: 85 Resp: 61276

Ion Ratio Lower Upper

85 100

87 31.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

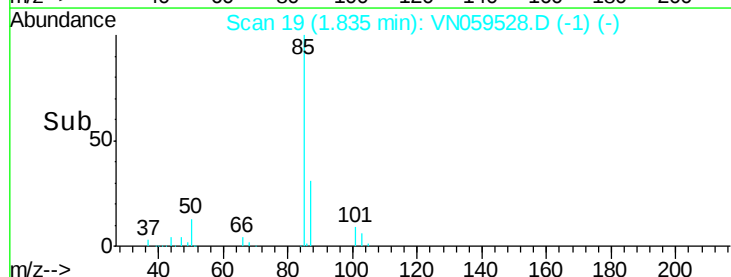
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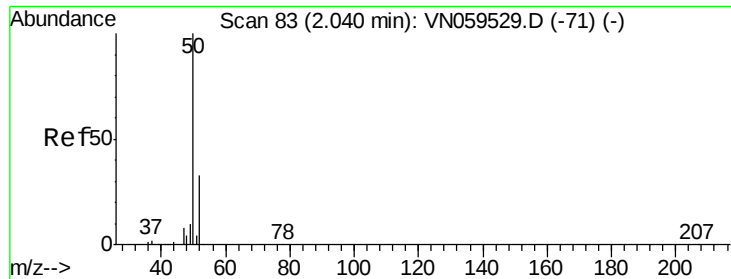
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 24.471 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 98878

Ion Ratio Lower Upper

50 100

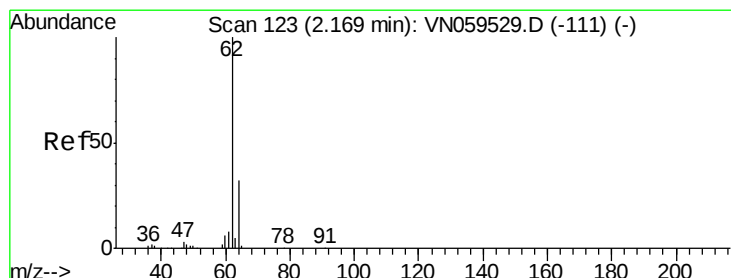
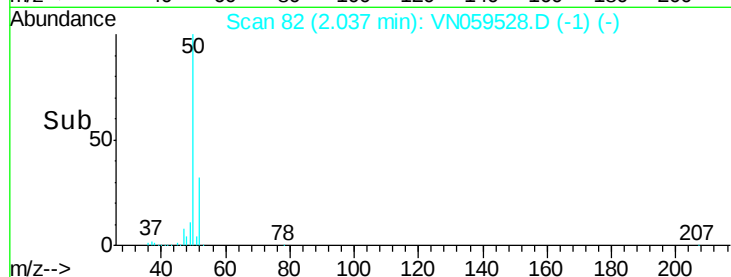
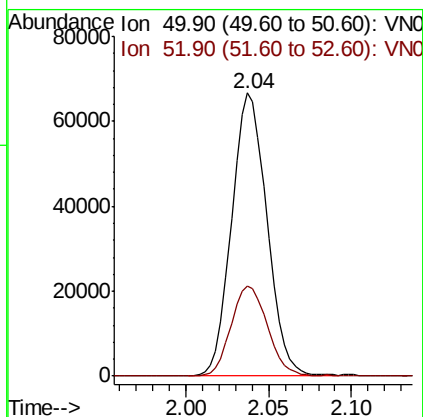
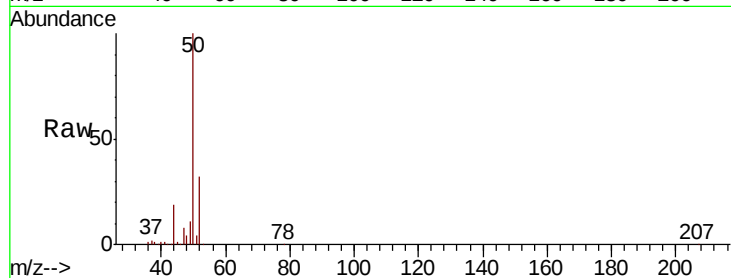
52 31.9 26.2 39.4

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#4

Vinyl Chloride

Concen: 34.247 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059528.D

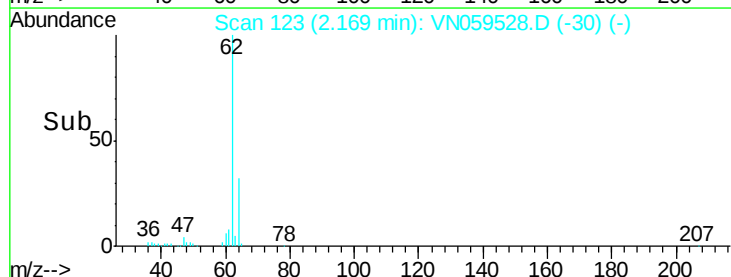
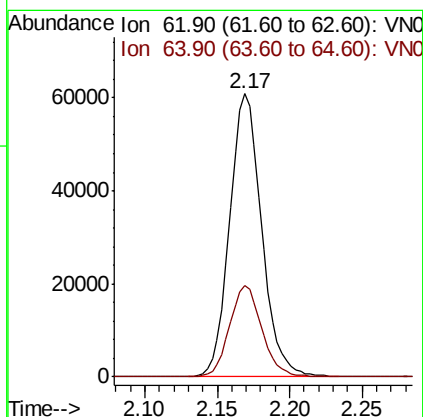
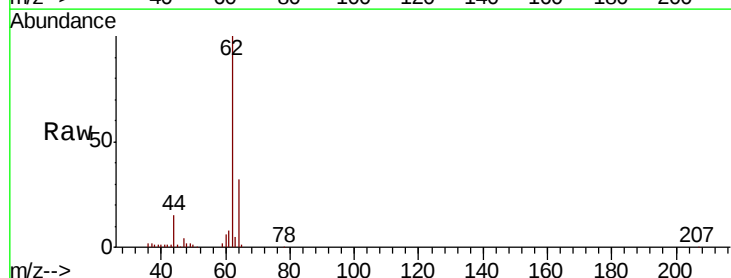
Acq: 9 Dec 2019 15:30

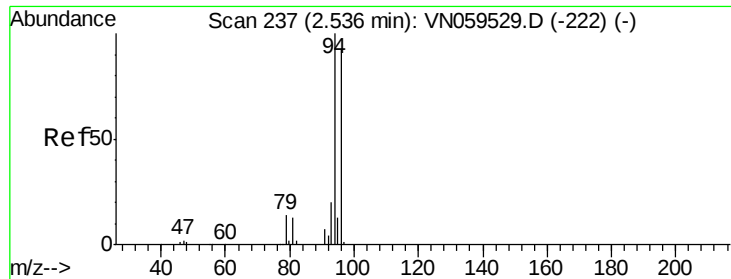
Tgt Ion: 62 Resp: 93272

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 34.000 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 56981

Ion Ratio Lower Upper

94 100

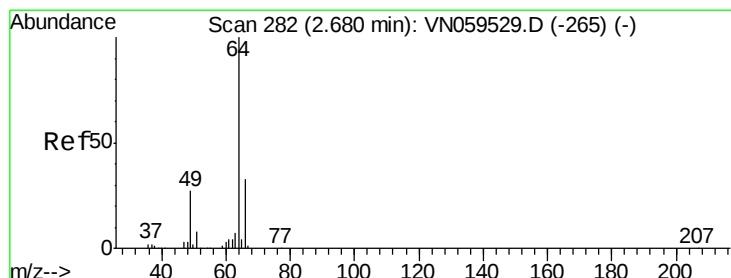
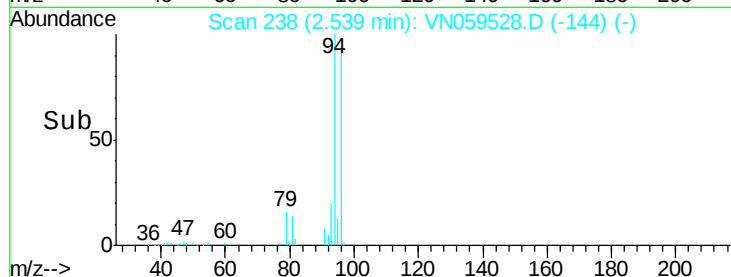
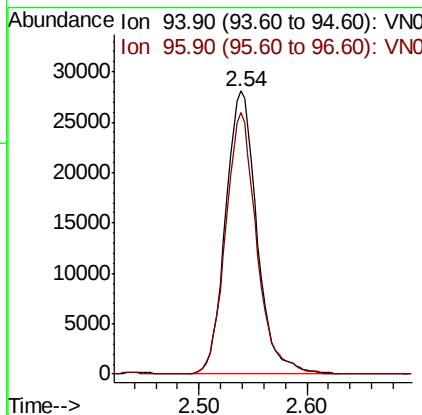
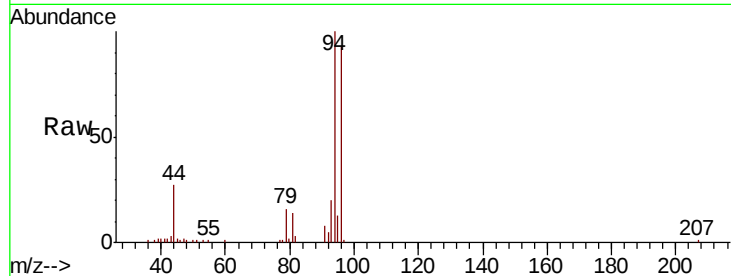
96 92.6 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 35.727 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059528.D

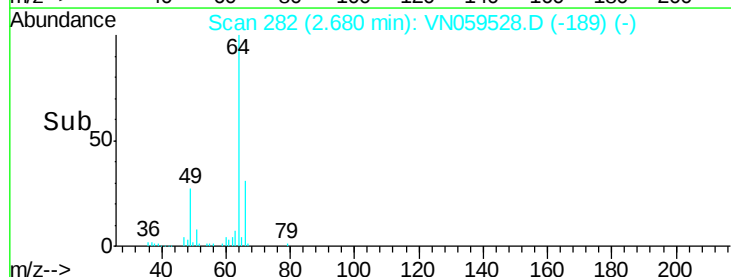
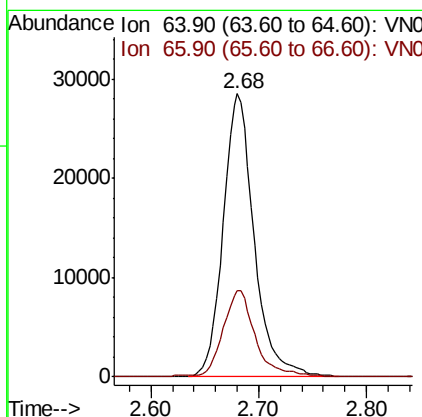
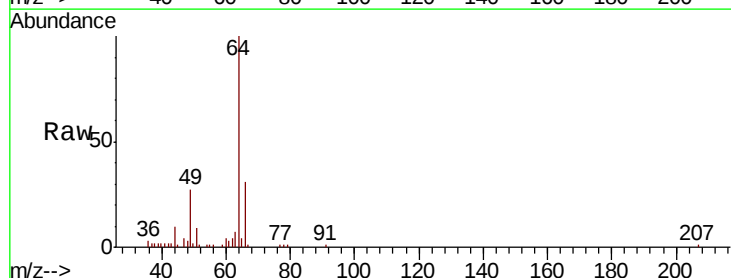
Acq: 9 Dec 2019 15:30

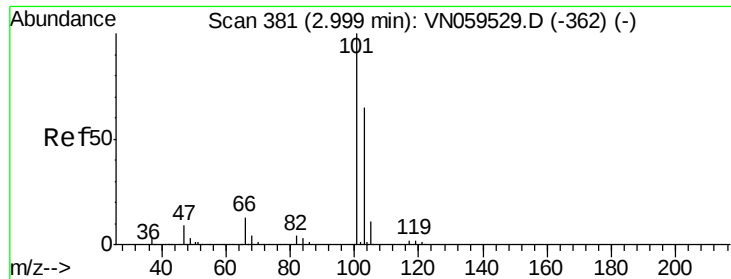
Tgt Ion: 64 Resp: 56845

Ion Ratio Lower Upper

64 100

66 30.6 26.7 40.1





#7

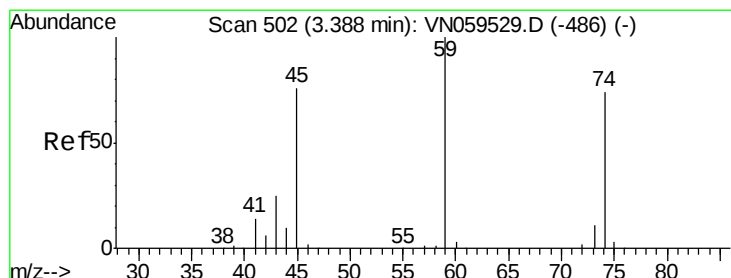
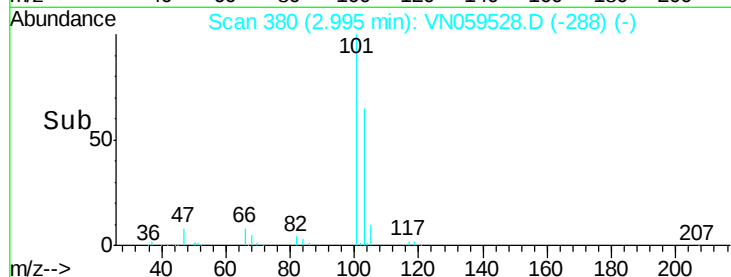
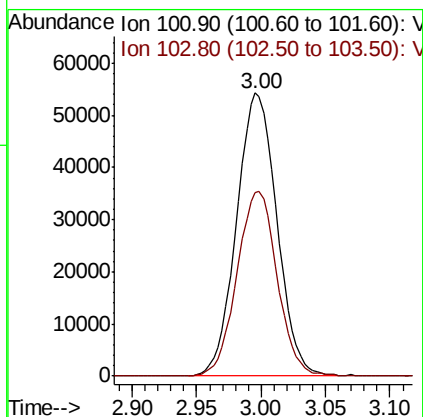
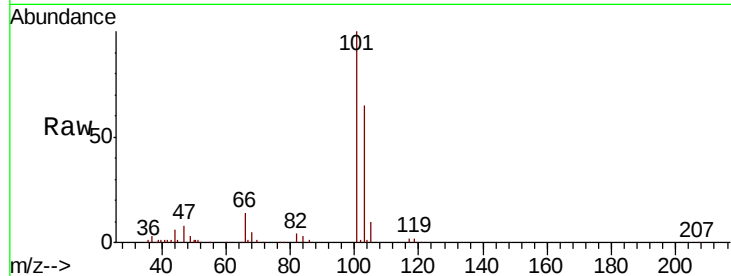
Trichlorofluoromethane
Concen: 36.412 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.2	78.4

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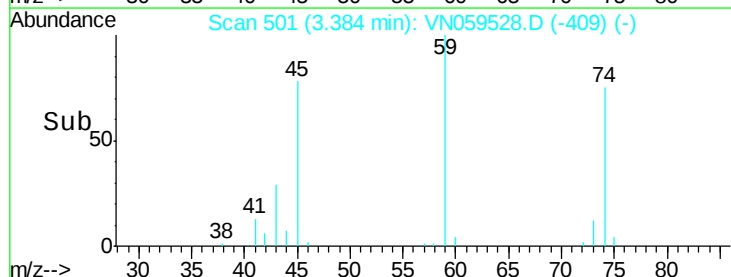
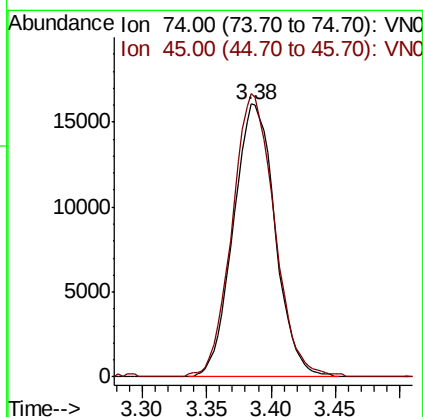
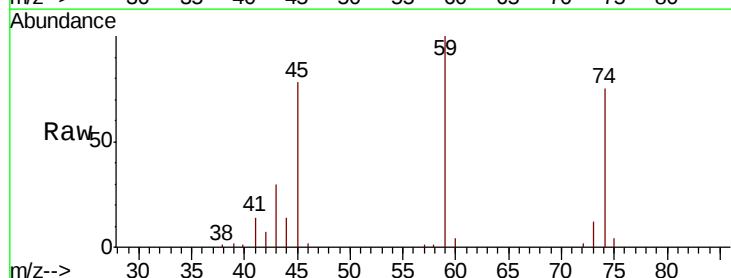
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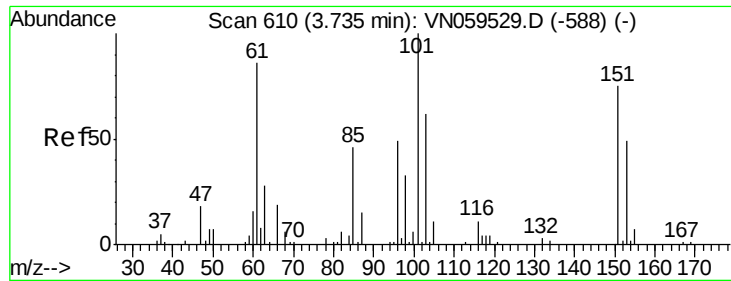


#8

Diethyl Ether
Concen: 19.671 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	52.6	157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.632 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

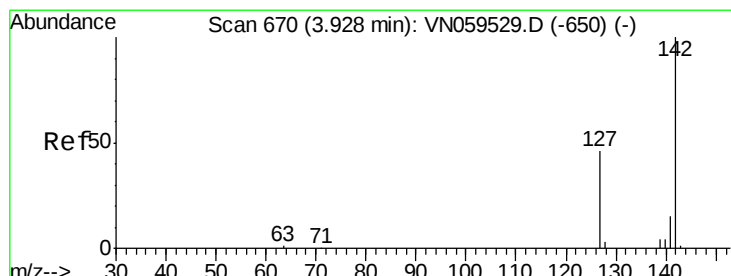
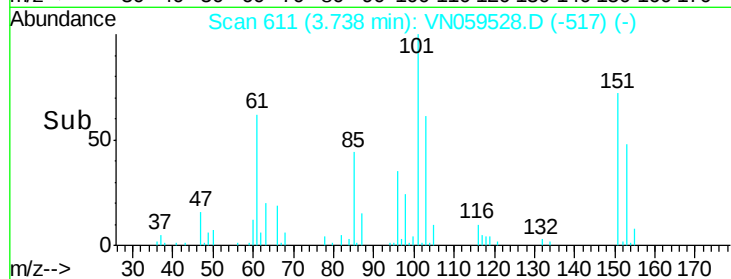
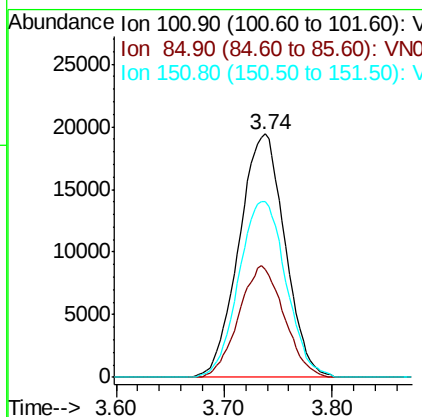
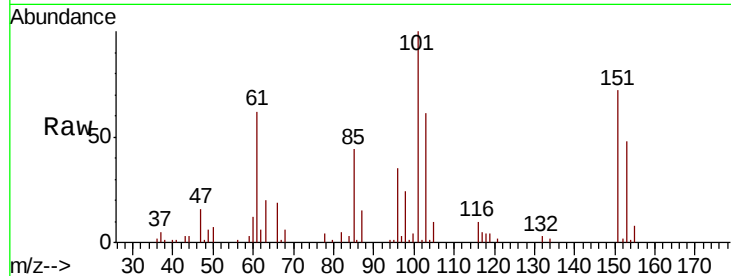
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	57598
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.6	54.8
151	74.3	59.3	88.9

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#10

Methyl Iodide

Concen: 21.110 ug/l

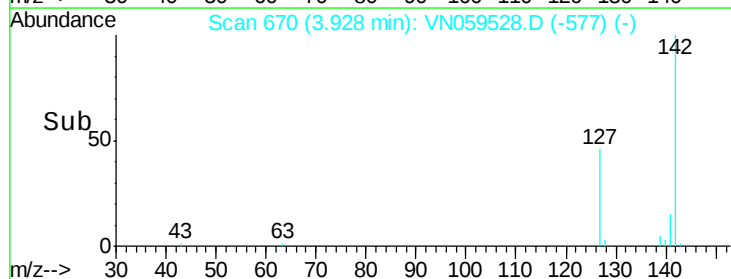
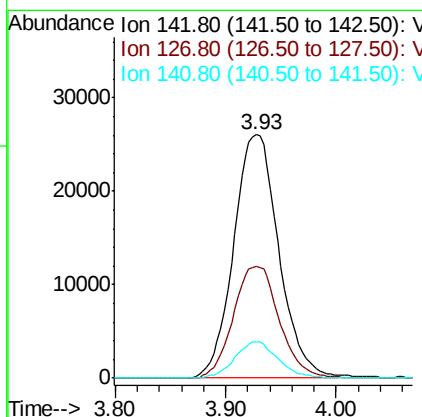
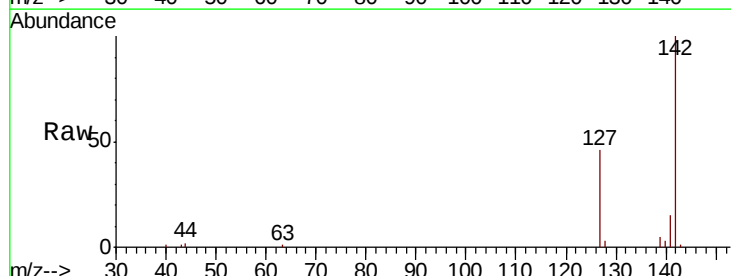
RT: 3.93 min Scan# 670

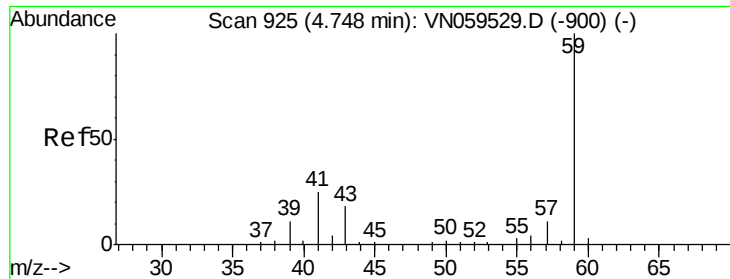
Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion:	142	Resp:	73957
Ion Ratio	Lower	Upper	
142	100		
127	46.6	36.6	54.8
141	14.2	11.6	17.4





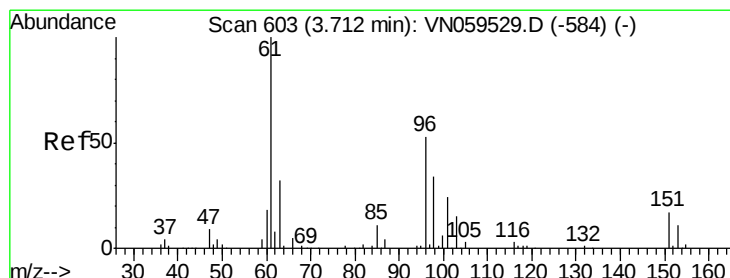
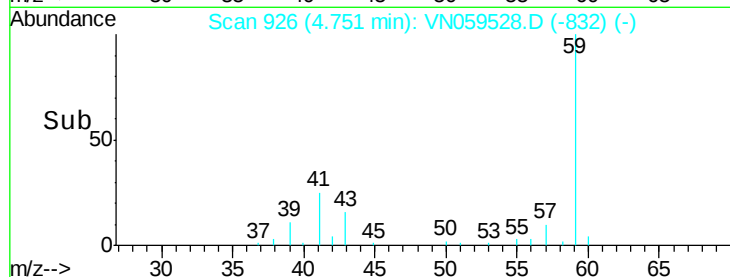
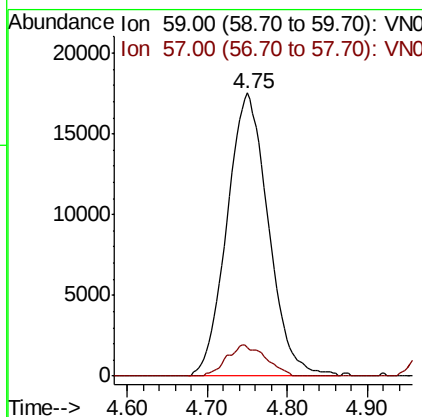
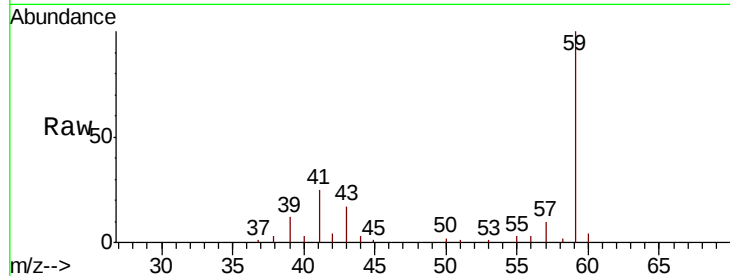
#11
Tert butyl alcohol
Concen: 100.994 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 61714
Ion Ratio Lower Upper
59 100
57 10.4 8.6 13.0

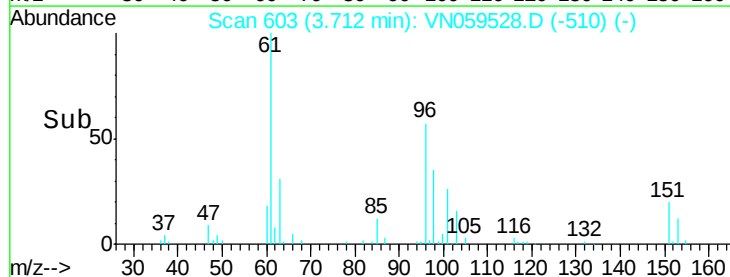
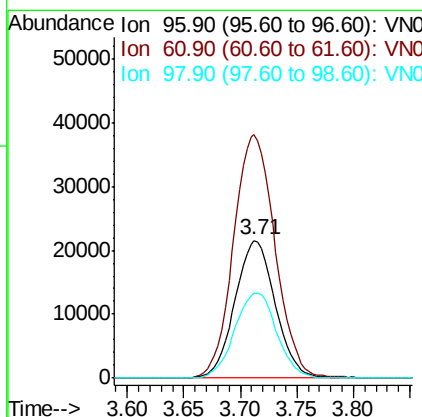
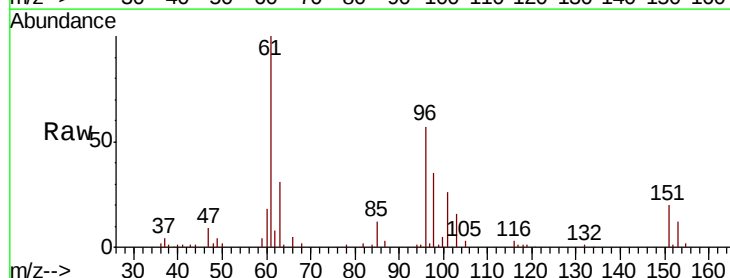
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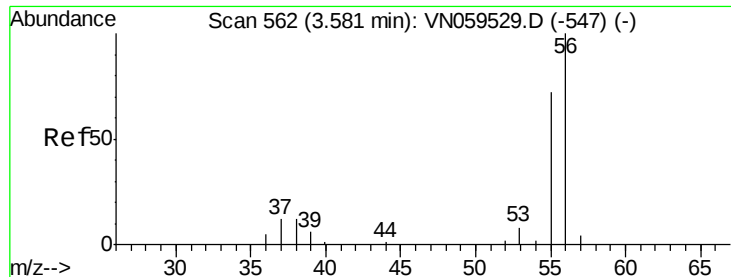
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#12
1,1-Dichloroethene
Concen: 19.760 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 96 Resp: 53526
Ion Ratio Lower Upper
96 100
61 176.5 149.8 224.6
98 61.3 50.6 75.8





#13

Acrolein

Concen: 38.777 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tot Ion: 56 Resp: 18226

Ion Ratio Lower Upper

56 100

55 71.9 56.9 85.3

Instrument :

MSVOA_N

ClientSampleId :

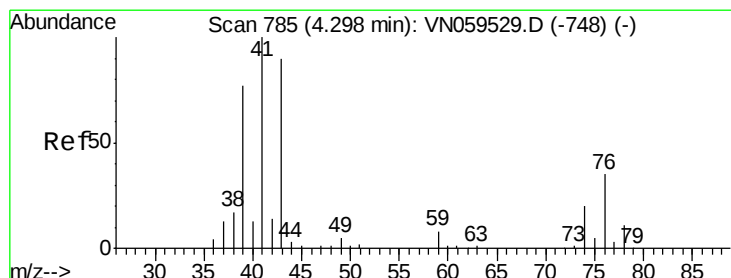
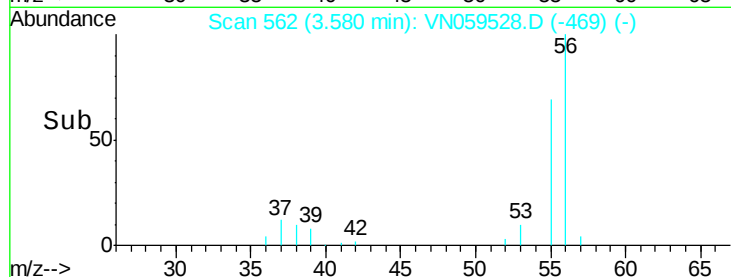
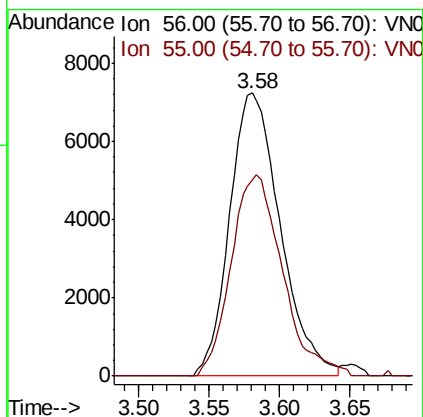
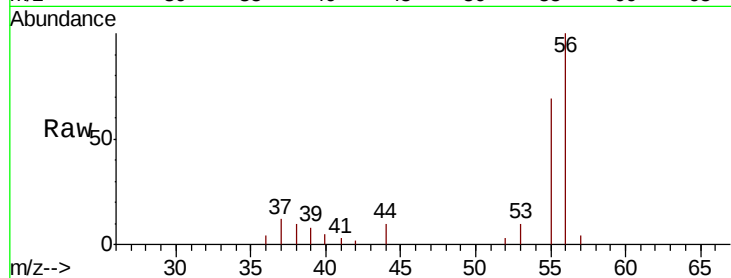
VSTDIC020

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#14

Allyl chloride

Concen: 19.856 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

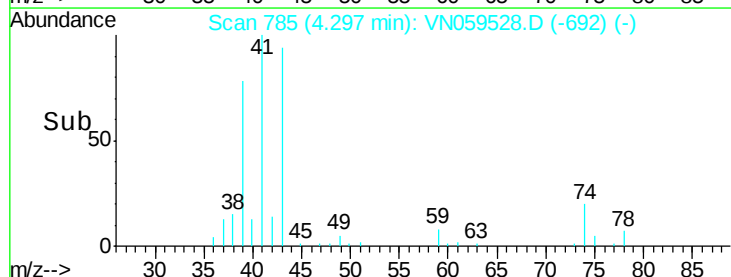
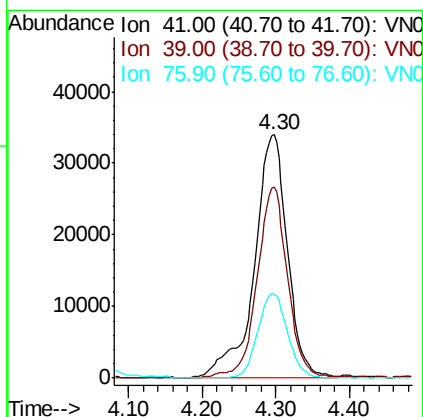
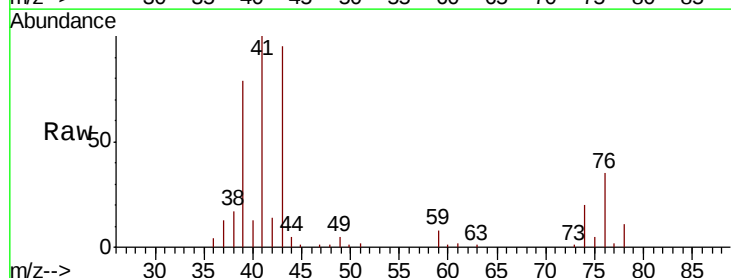
Tgt Ion: 41 Resp: 106821

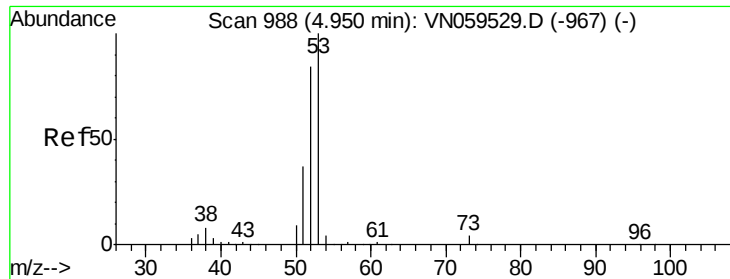
Ion Ratio Lower Upper

41 100

39 71.8 56.7 85.1

76 31.0 25.5 38.3





#15

Acrylonitrile

Concen: 101.281 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

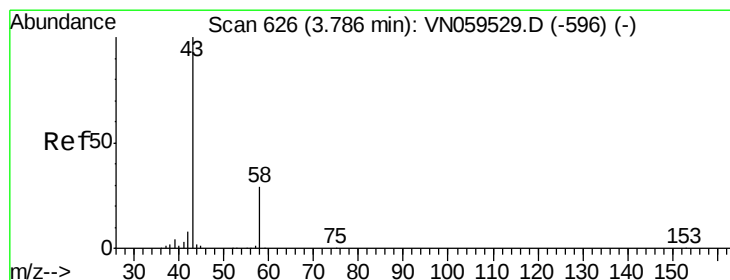
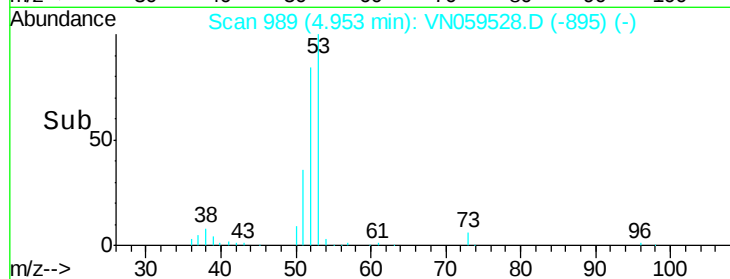
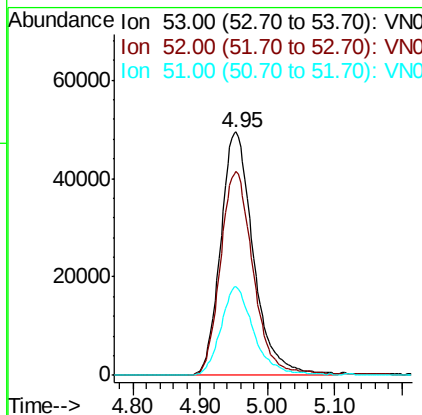
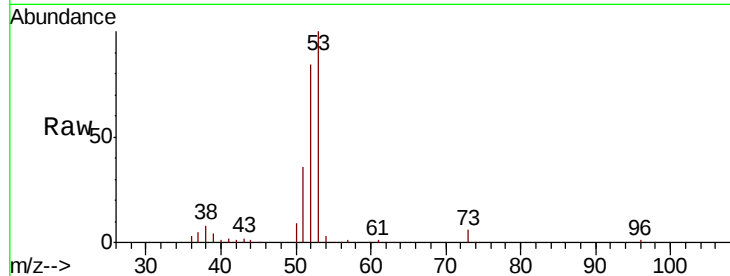
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	167683
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	99.8
51	36.8	29.8	44.8

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#16

Acetone

Concen: 74.492 ug/l

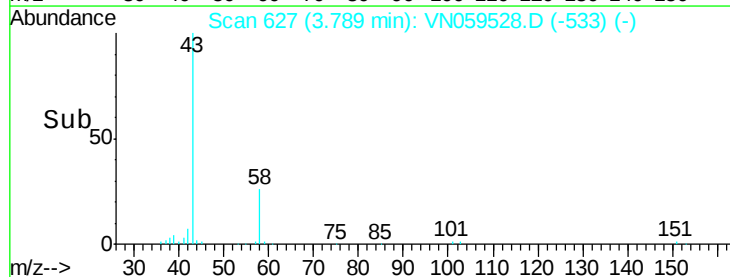
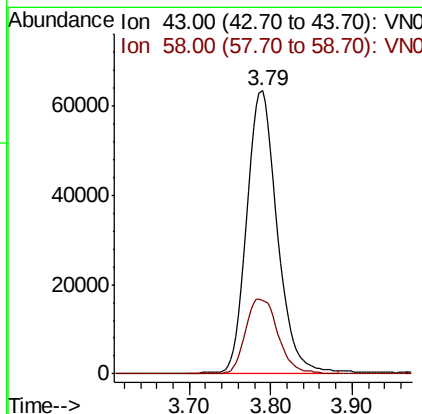
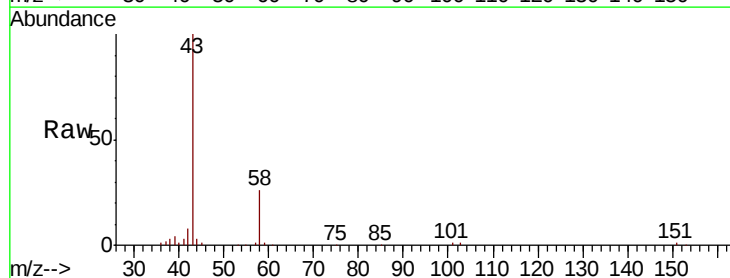
RT: 3.79 min Scan# 627

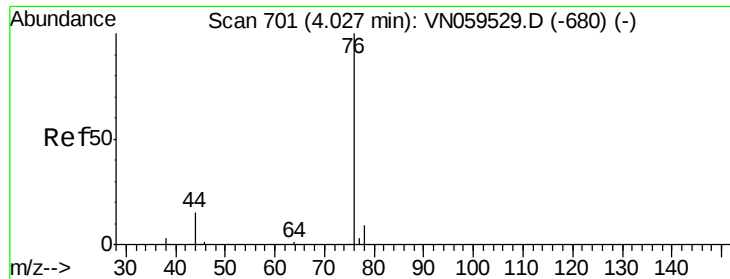
Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion:	43	Resp:	163529
Ion	Ratio	Lower	Upper
43	100		
58	26.1	23.0	34.4





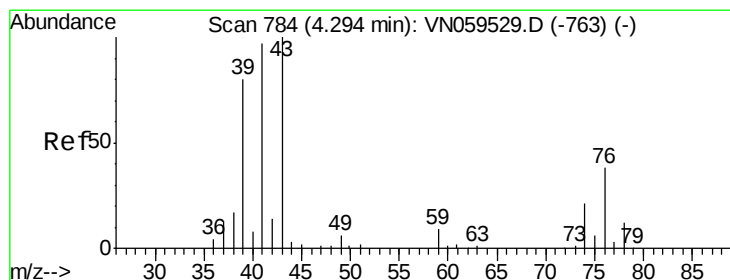
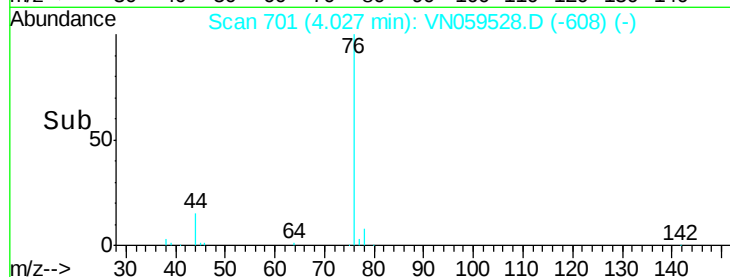
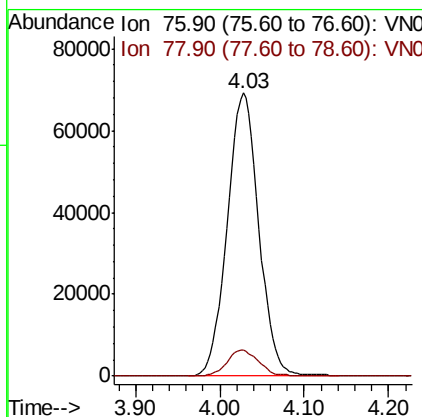
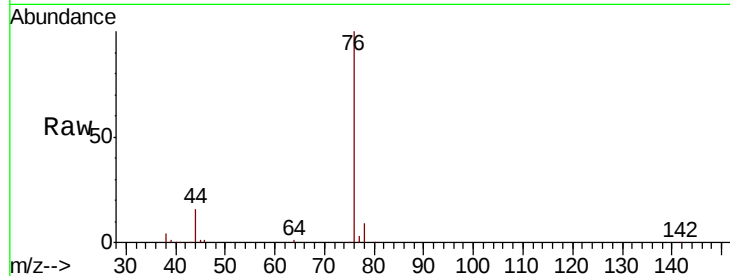
#17
Carbon Disulfide
Concen: 19.311 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

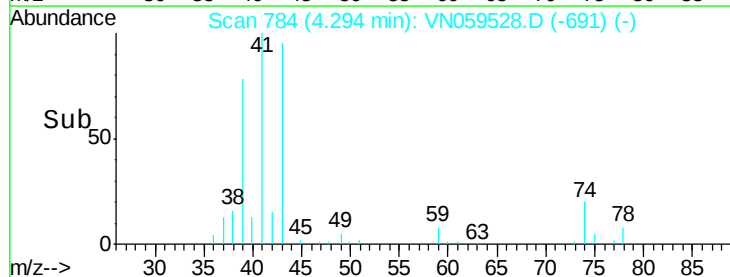
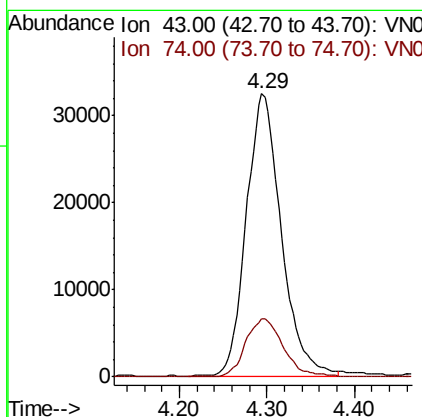
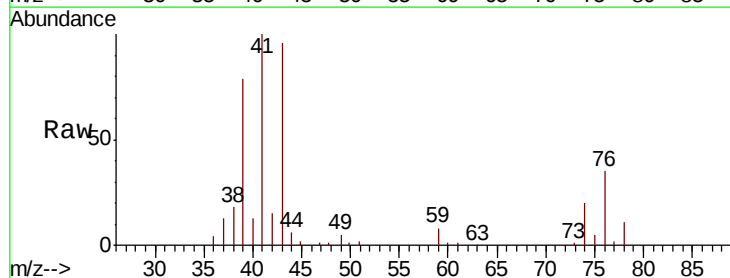
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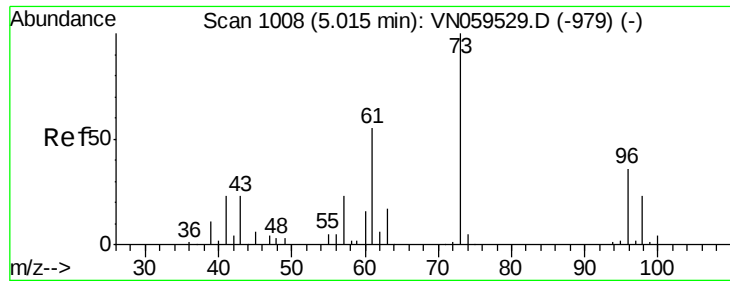
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#18
Methyl Acetate
Concen: 20.651 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.5	26.3





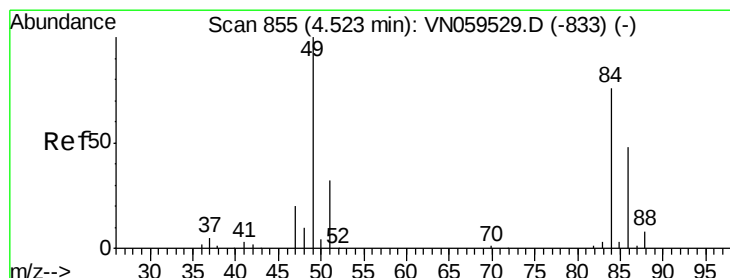
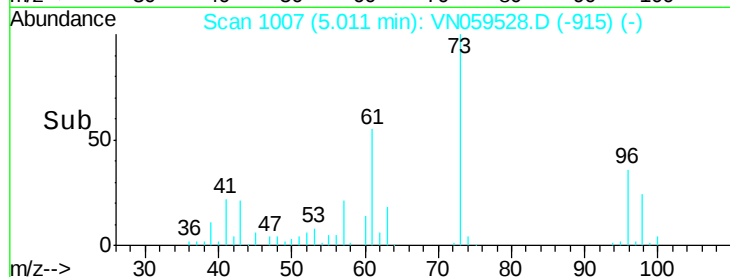
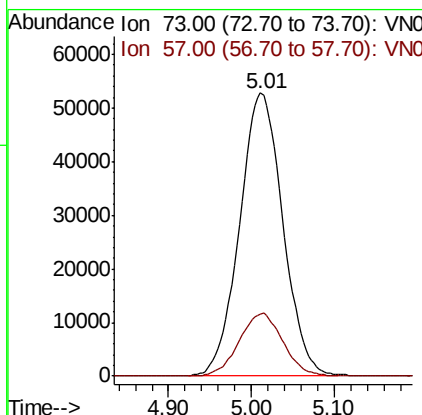
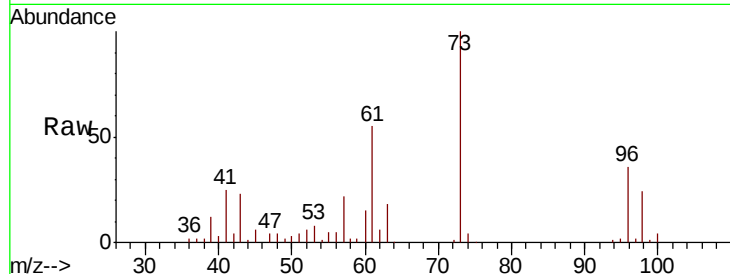
#19
Methyl tert-butyl Ether
Concen: 20.546 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 191481
Ion Ratio Lower Upper
73 100
57 22.1 18.3 27.5

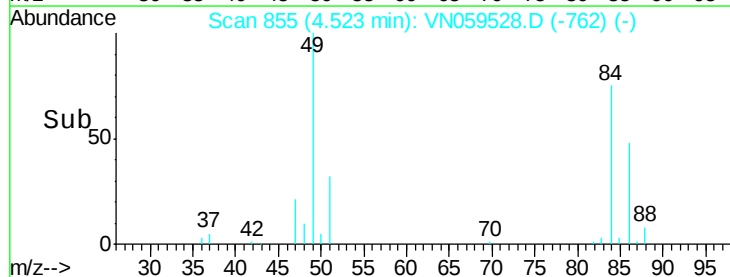
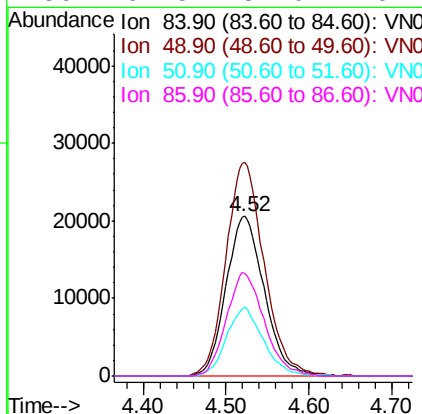
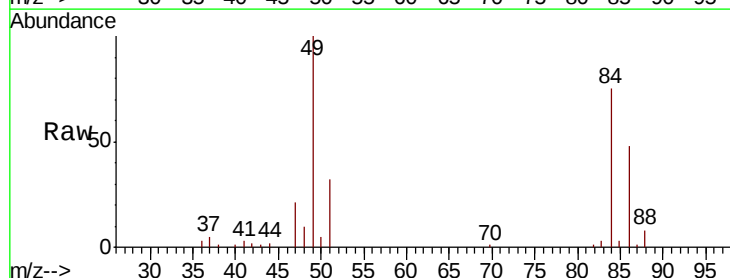
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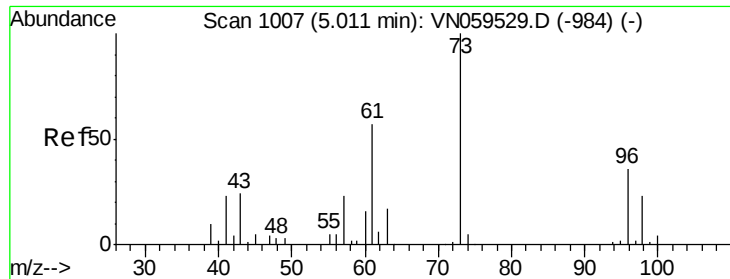
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#20
Methylene Chloride
Concen: 19.126 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 84 Resp: 65964
Ion Ratio Lower Upper
84 100
49 133.8 105.8 158.8
51 43.2 33.7 50.5
86 64.5 51.0 76.4





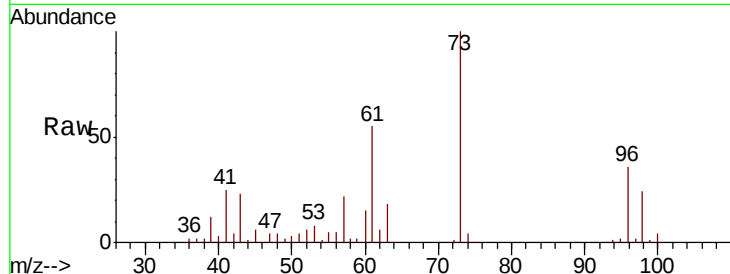
#21
trans-1,2-Dichloroethene
Concen: 19.781 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.6	124.8	187.2
98	66.5	51.0	76.4

Manual Integrations
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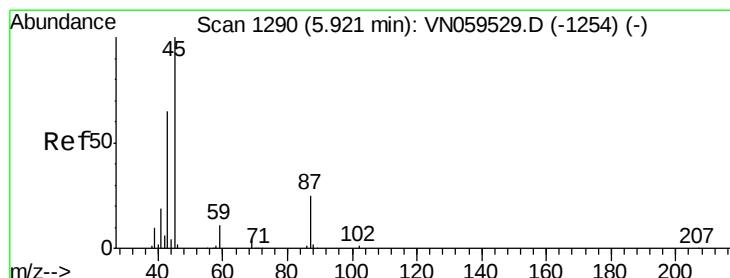
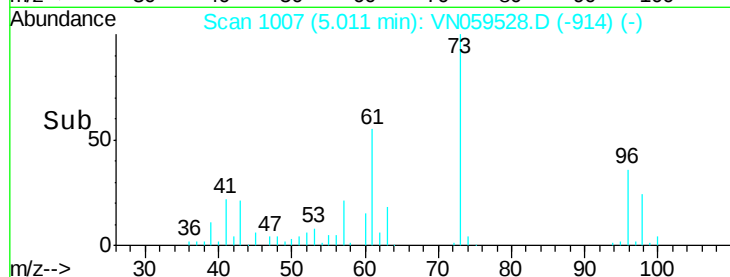
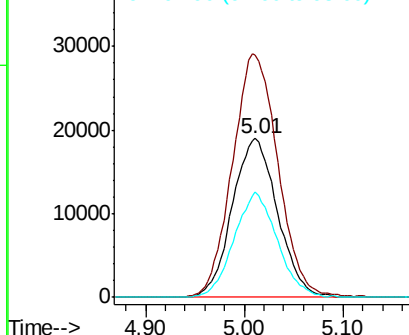


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 21.116 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	52.8	79.2
87	25.1	20.2	30.4
59	10.3	9.1	13.7

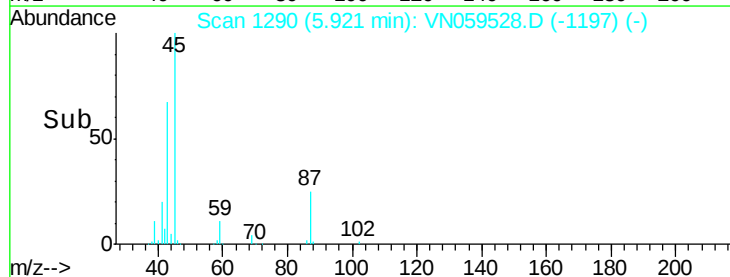
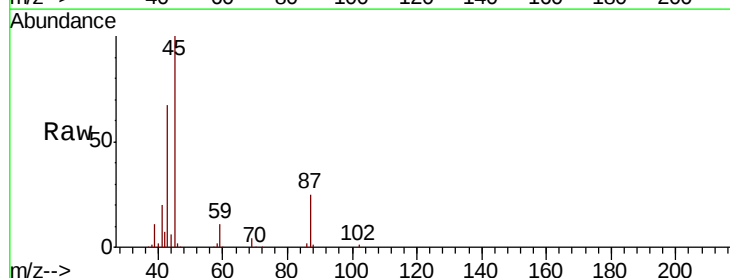
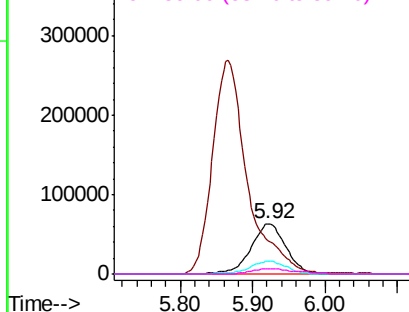
Abundance

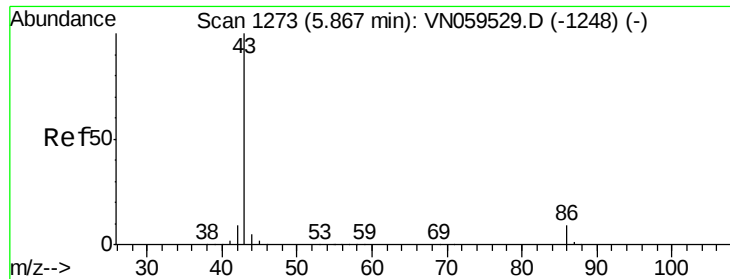
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





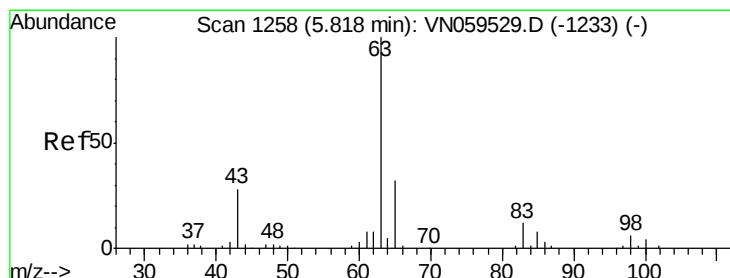
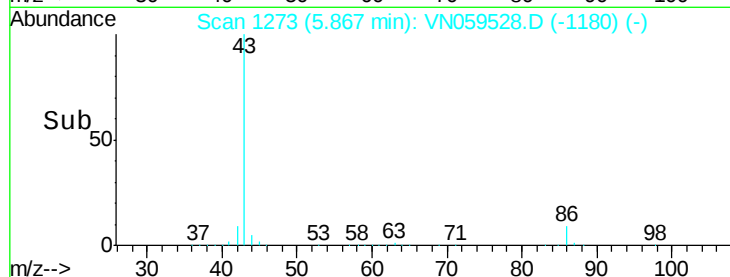
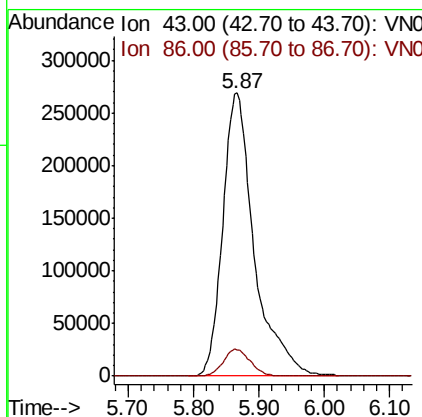
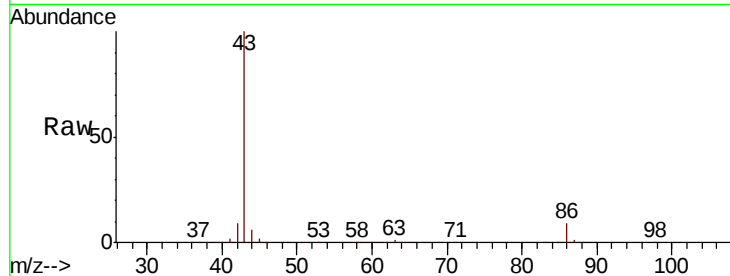
#23
 Vinyl Acetate
 Concen: 111.224 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	899480
Ion Ratio	100	Lower	Upper
43	100		
86	9.3	7.4	11.2

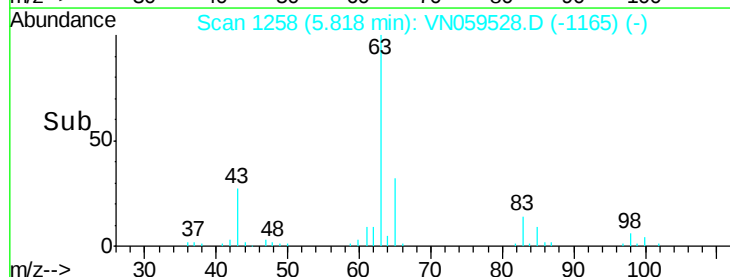
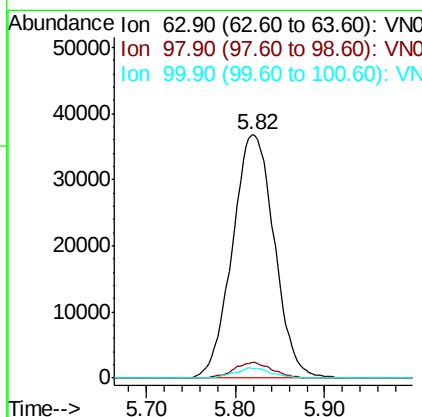
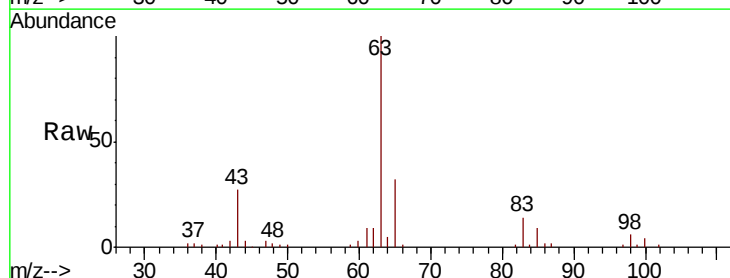
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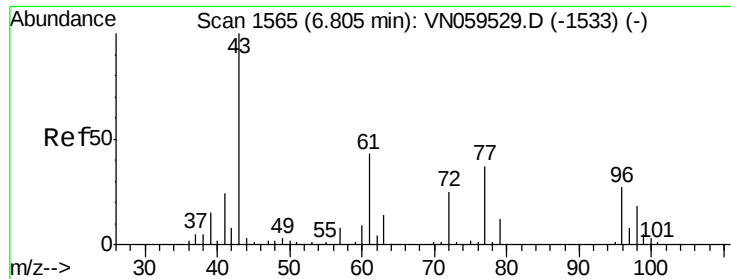
apatel
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#24
 1,1-Dichloroethane
 Concen: 21.068 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion	63	Resp	119877
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	3.0	9.0
100	4.1	1.8	5.3





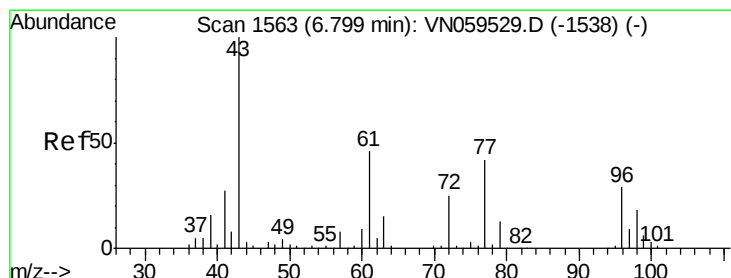
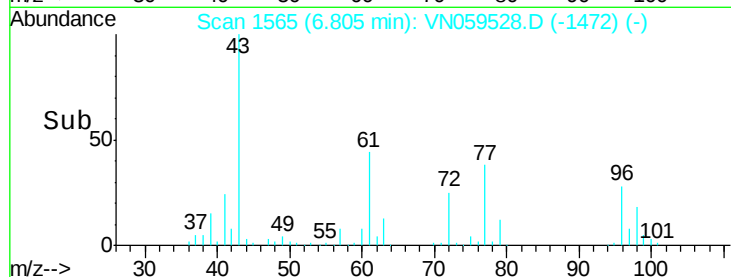
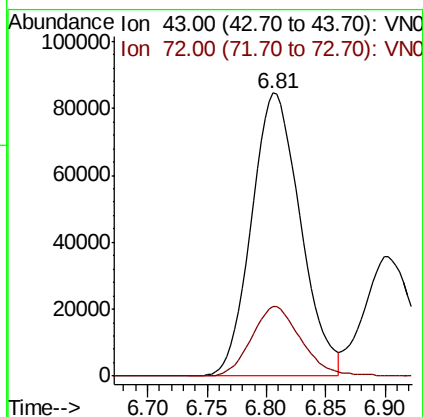
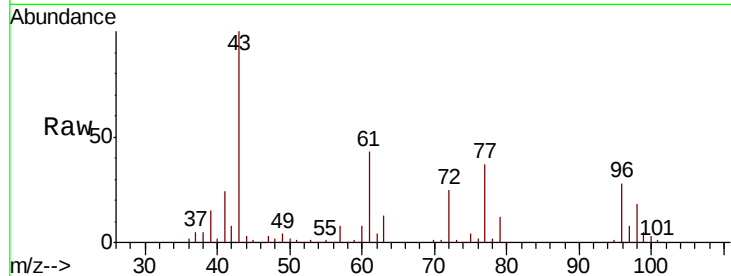
#25
2-Butanone
Concen: 97.124 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 241049
Ion Ratio Lower Upper
43 100
72 24.5 19.9 29.9

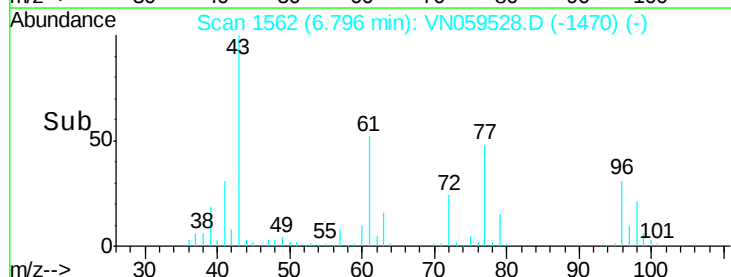
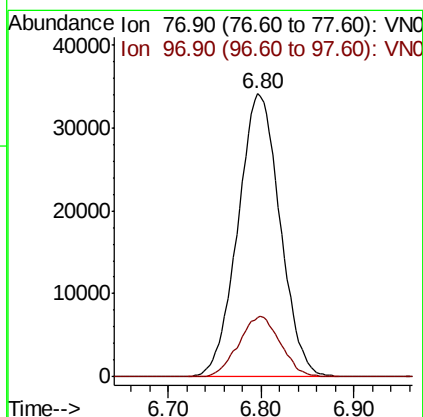
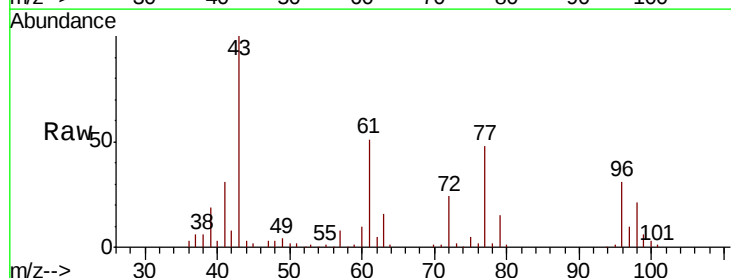
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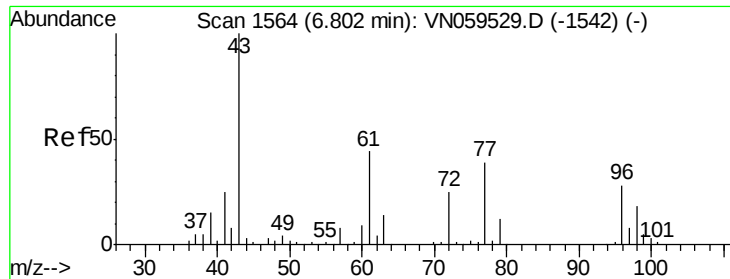
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#26
2,2-Dichloropropane
Concen: 21.669 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 77 Resp: 107658
Ion Ratio Lower Upper
77 100
97 21.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.339 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

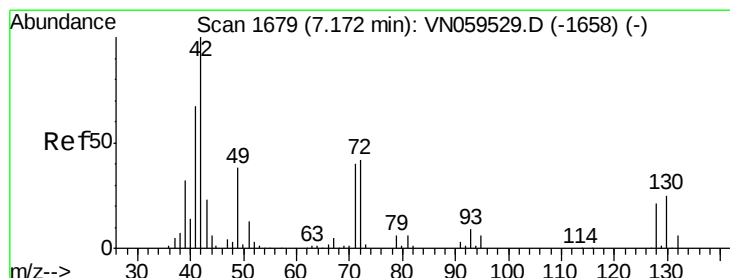
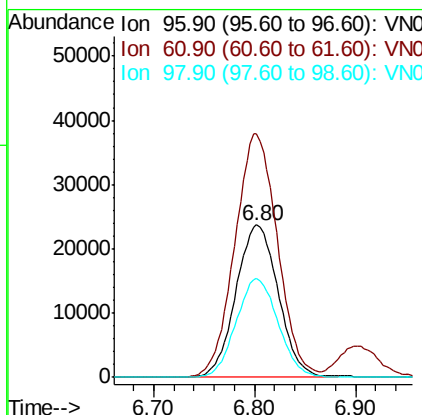
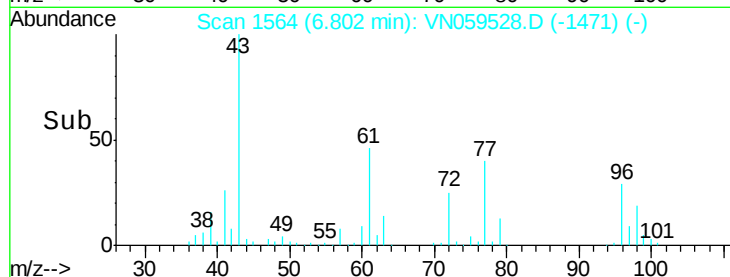
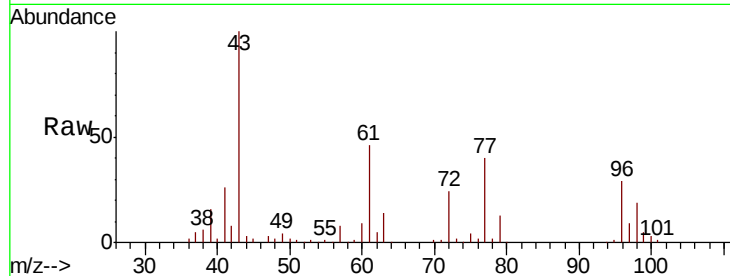
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	68997
Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	320.0
98	64.2	0.0	128.6

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#28

Bromochloromethane

Concen: 25.693 ug/l

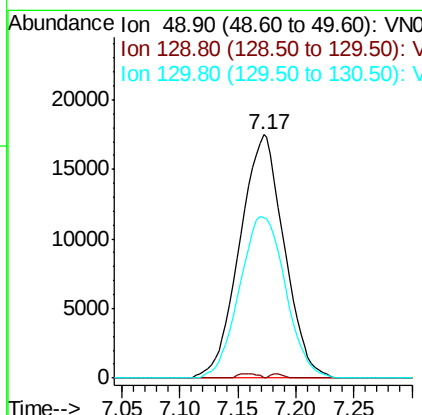
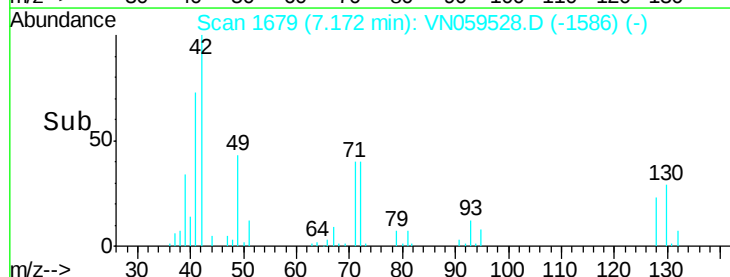
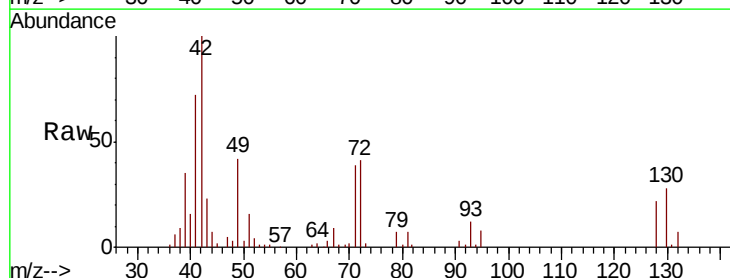
RT: 7.17 min Scan# 1679

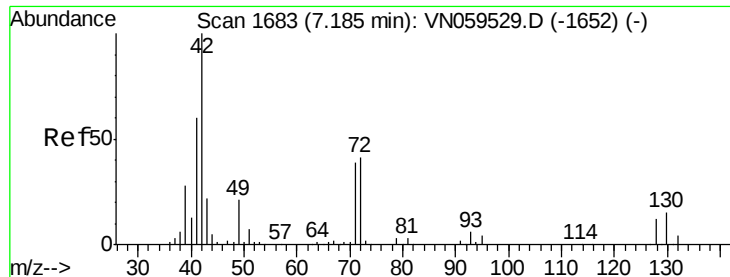
Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion:	49	Resp:	46581
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.0
130	68.7	54.2	81.2





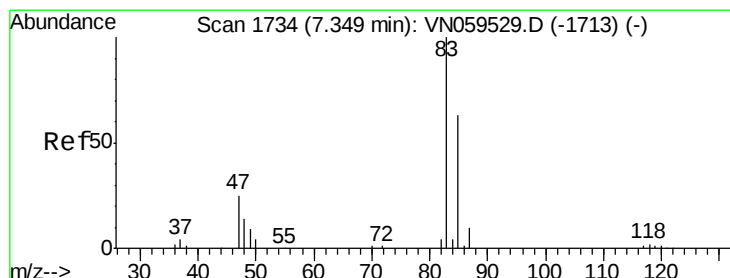
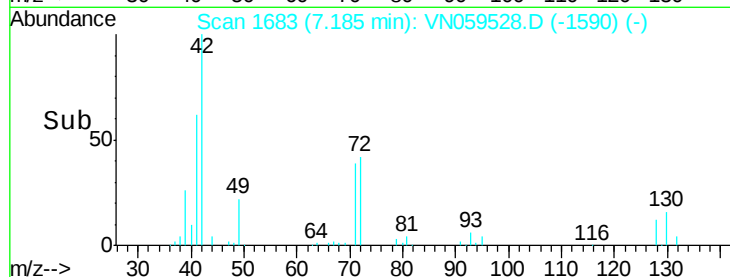
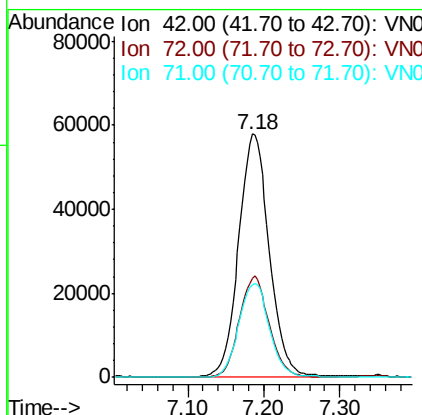
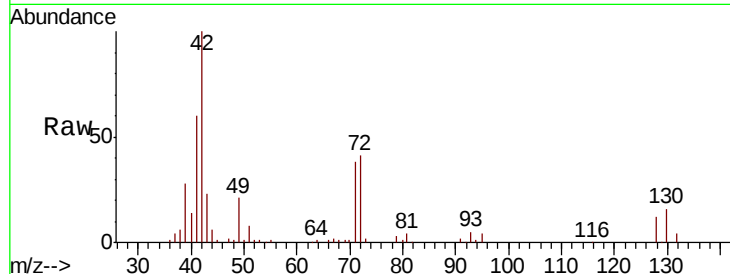
#29
Tetrahydrofuran
Concen: 103.991 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.7	49.1
71	38.5	31.4	47.2

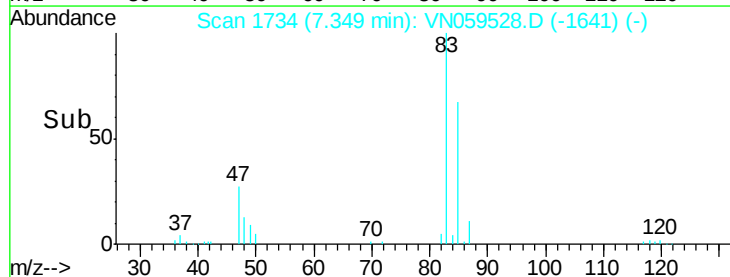
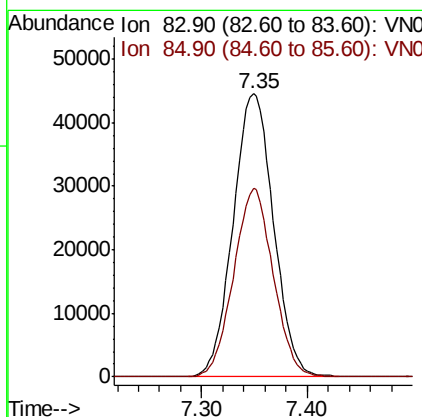
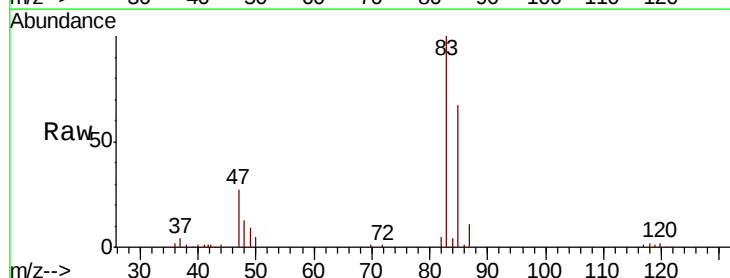
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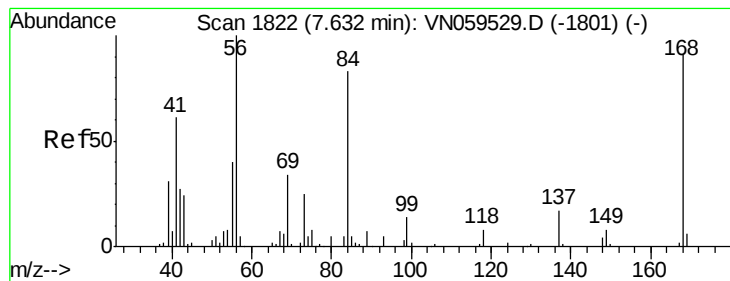
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#30
Chloroform
Concen: 21.430 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.6	75.8





#31

Cyclohexane

Concen: 20.334 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

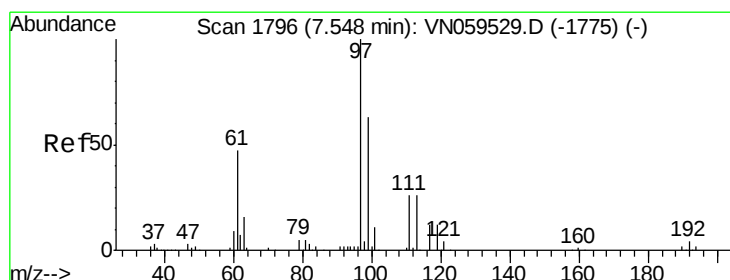
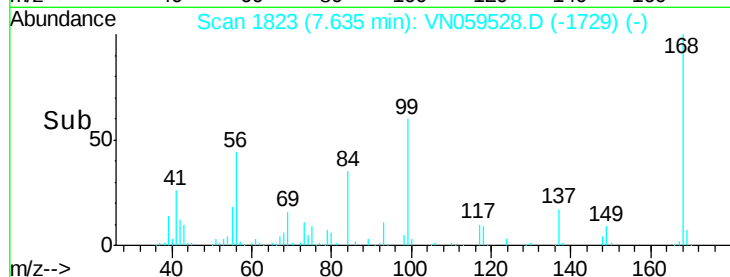
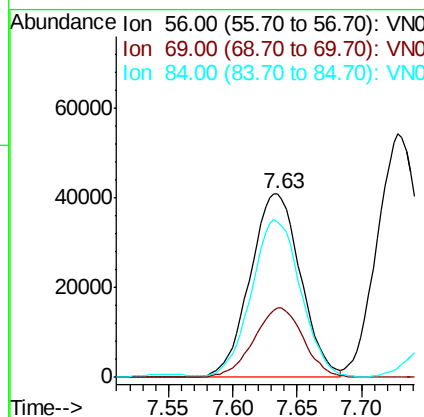
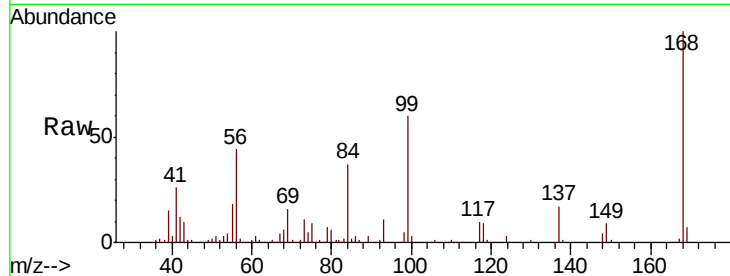
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	111384
Ion Ratio	Lower	Upper	
56	100		
69	37.8	26.9	40.3
84	83.5	66.5	99.7

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#32

1,1,1-Trichloroethane

Concen: 21.737 ug/l

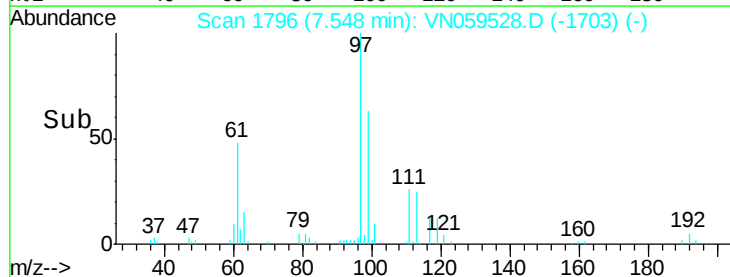
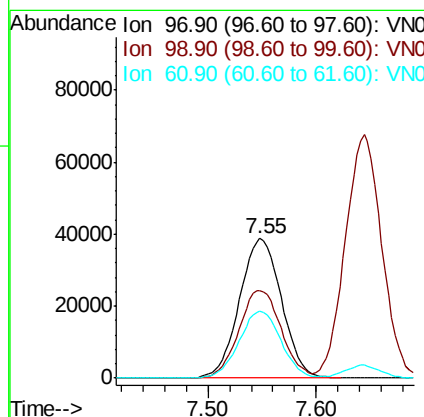
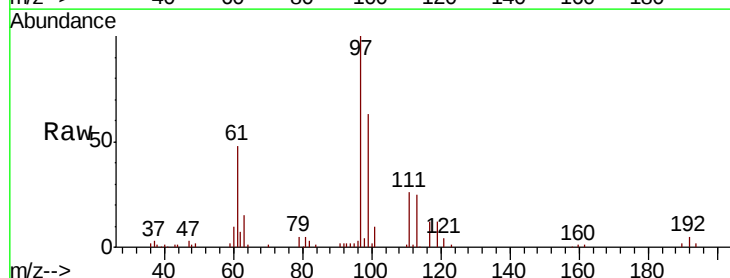
RT: 7.55 min Scan# 1796

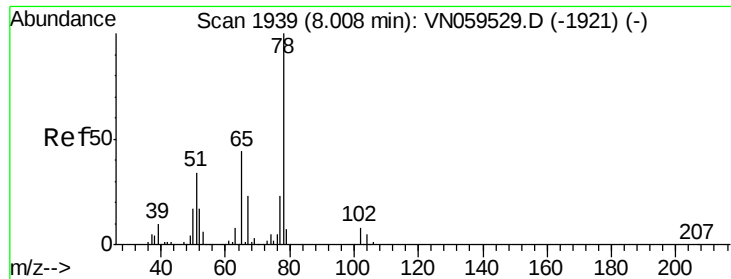
Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion:	97	Resp:	104940
Ion Ratio	Lower	Upper	
97	100		
99	63.3	51.4	77.2
61	47.9	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 21.951 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 73279

Ion Ratio Lower Upper

65 100

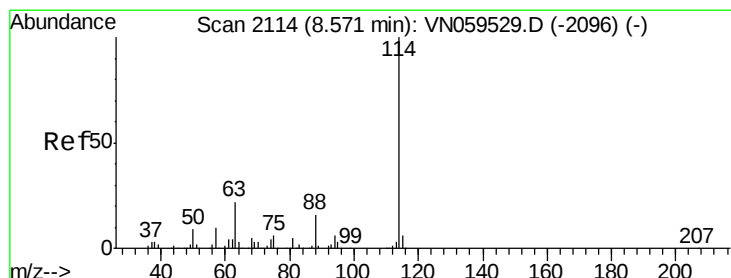
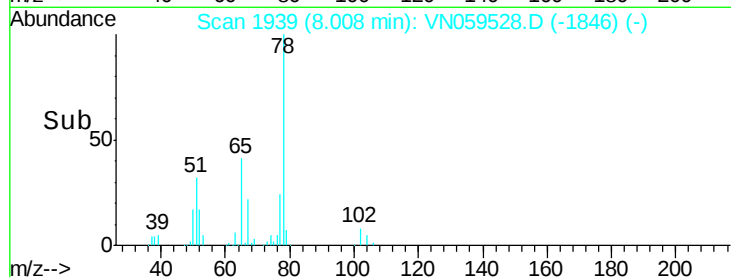
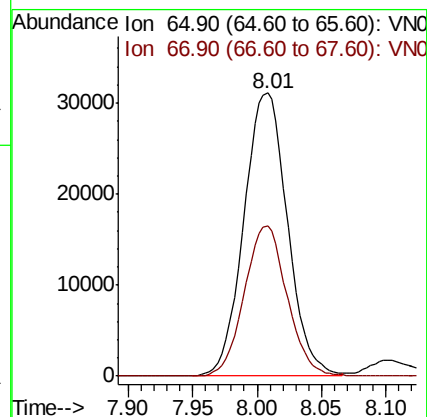
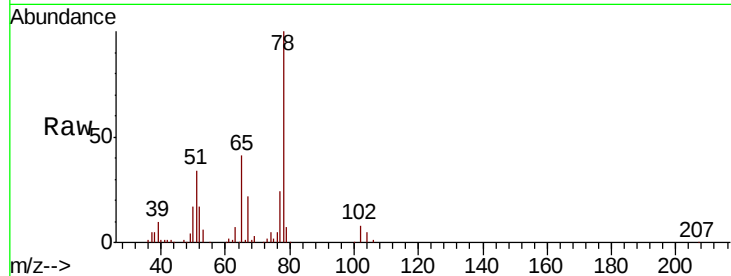
67 51.9 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

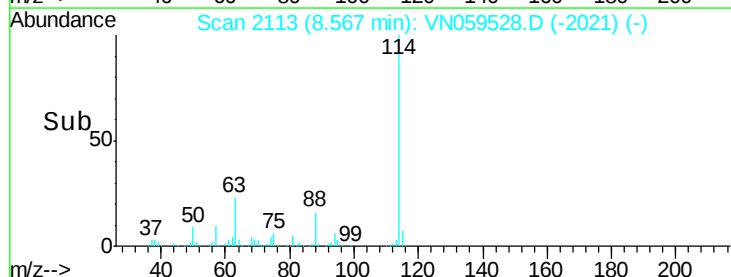
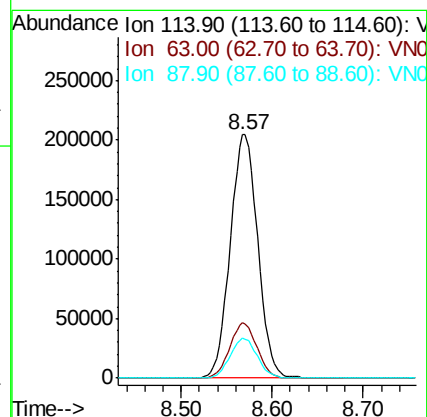
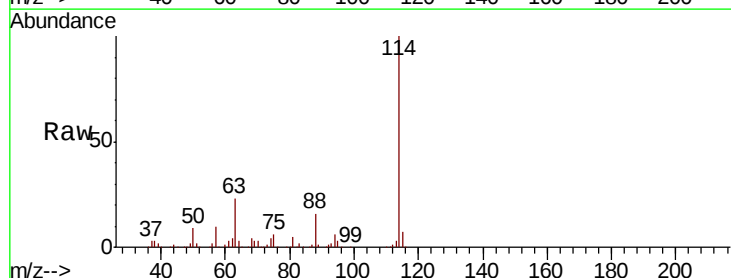
Tgt Ion: 114 Resp: 429876

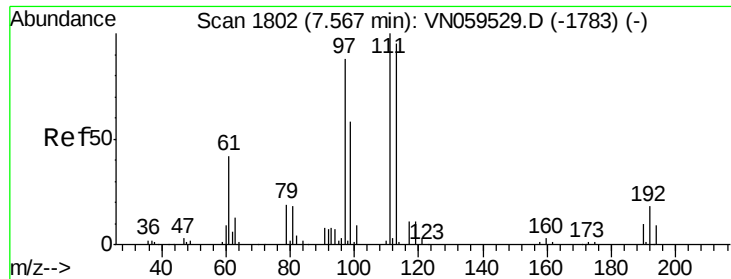
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.0

88 16.2 0.0 32.2





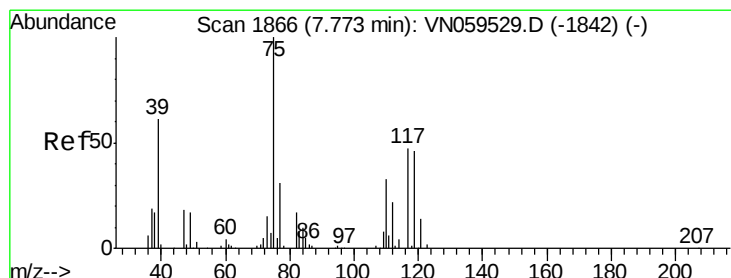
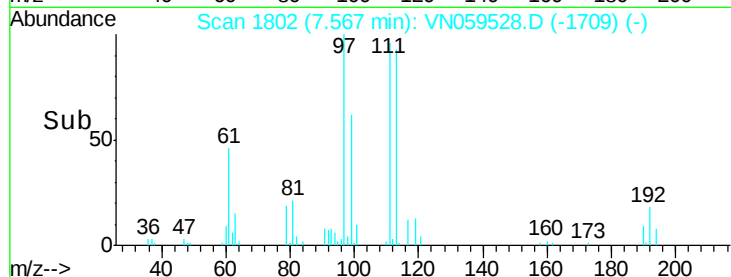
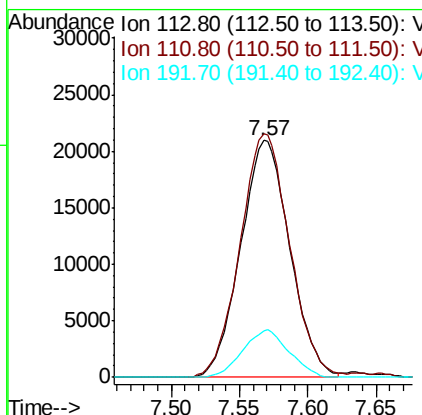
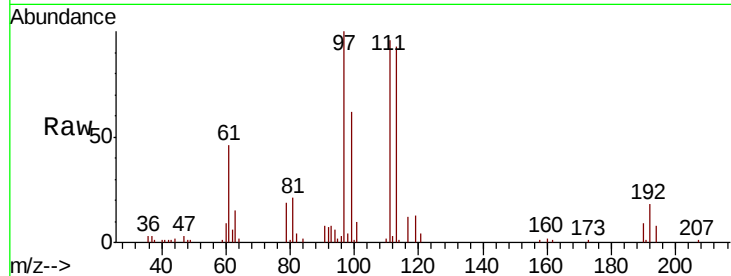
#35
Dibromofluoromethane
Concen: 20.074 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	18.9	14.8	22.2

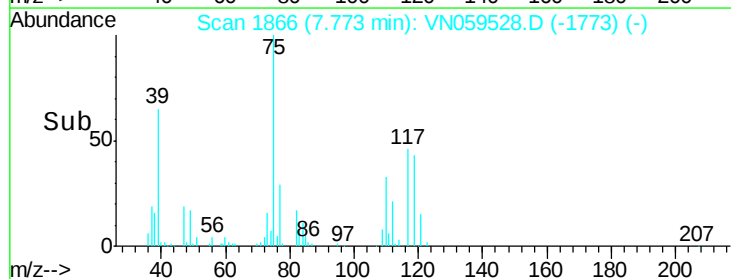
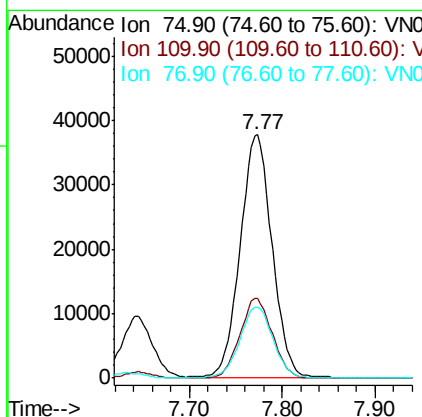
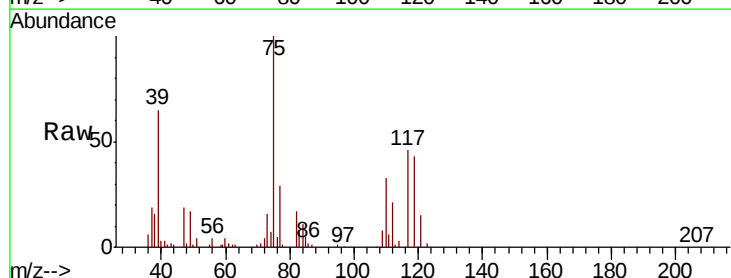
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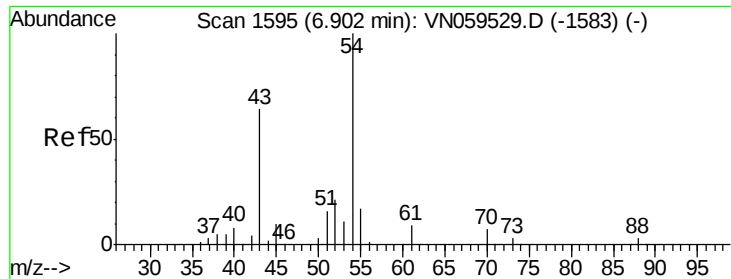
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#36
1,1-Dichloropropene
Concen: 20.644 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.7	50.0
77	30.4	24.6	37.0





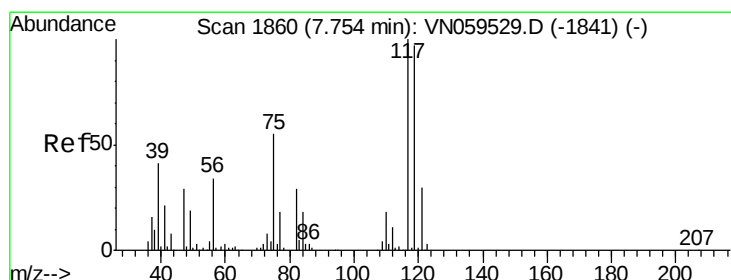
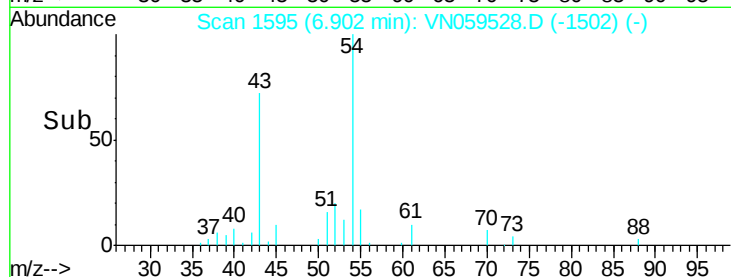
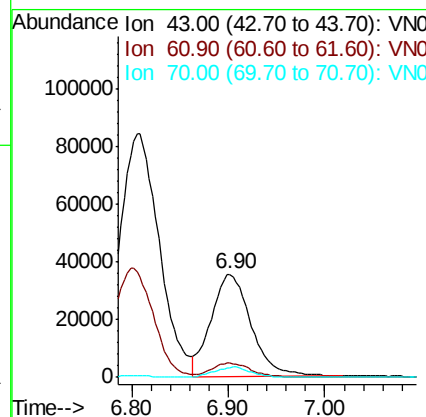
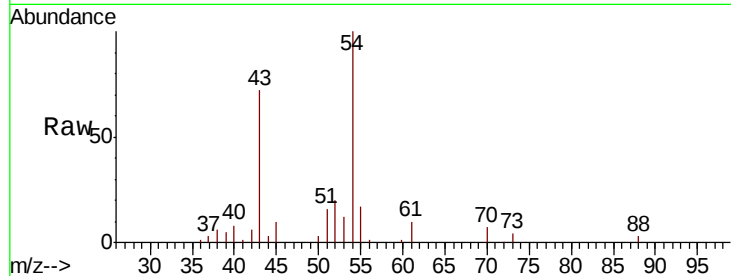
#37
Ethyl Acetate
Concen: 20.896 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.6
70	9.1	7.7	11.5

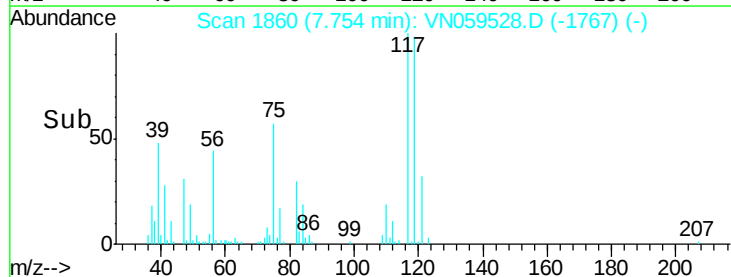
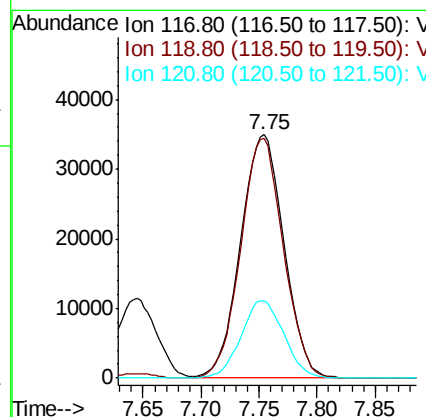
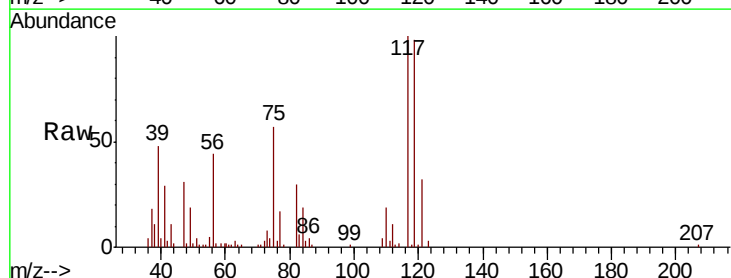
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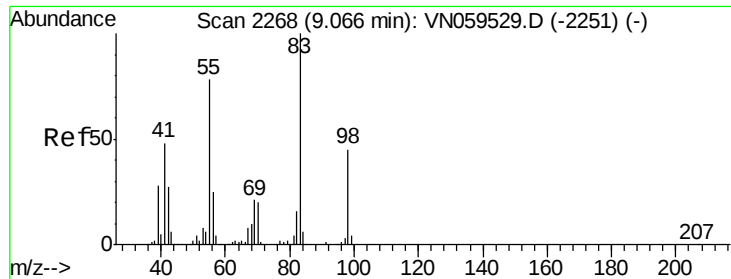
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#38
Carbon Tetrachloride
Concen: 21.508 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.0	115.4
121	31.6	24.1	36.1





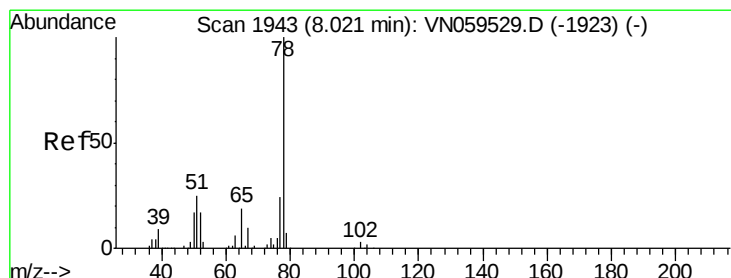
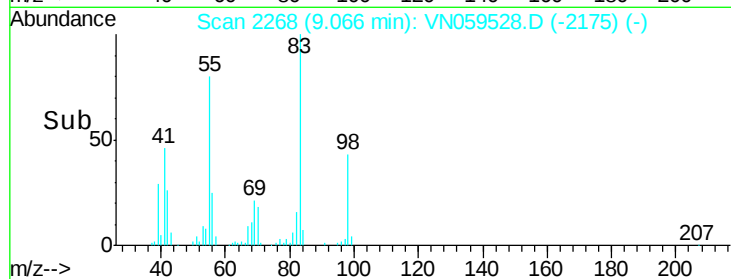
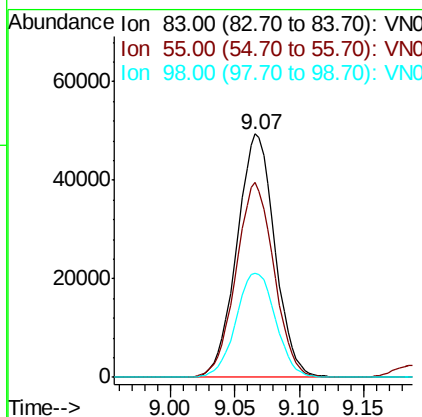
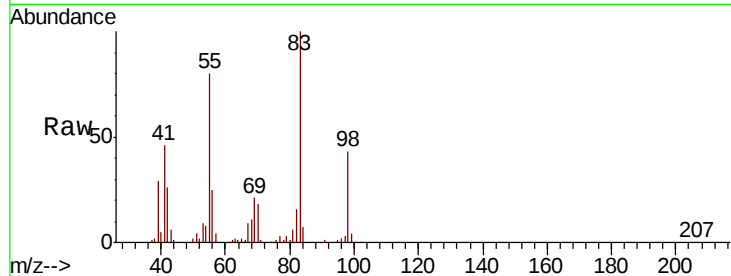
#39
Methvlcvclohexane
Concen: 19.373 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	62.7	94.1
98	42.8	35.7	53.5

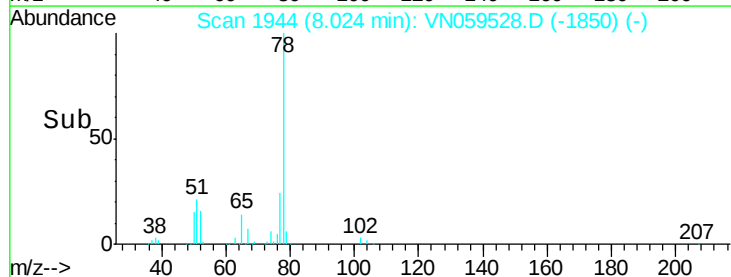
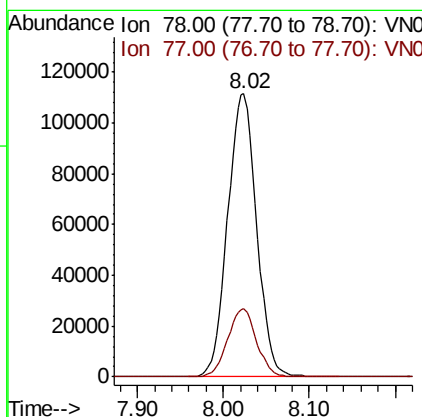
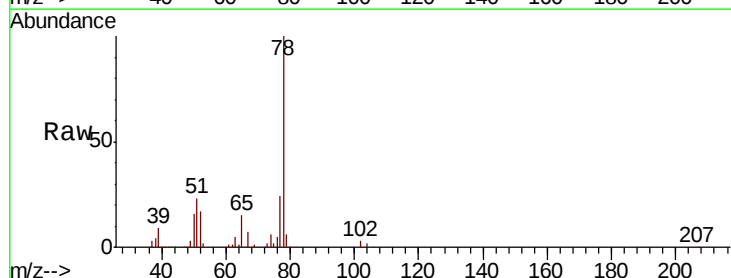
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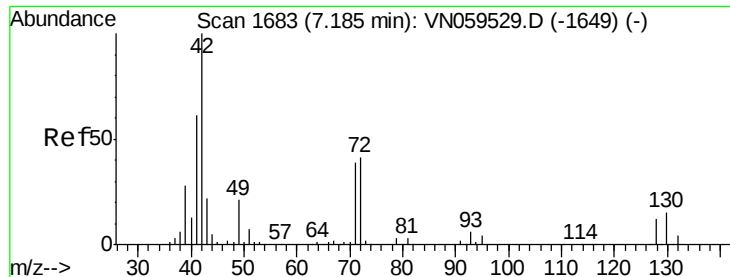
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#40
Benzene
Concen: 20.411 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





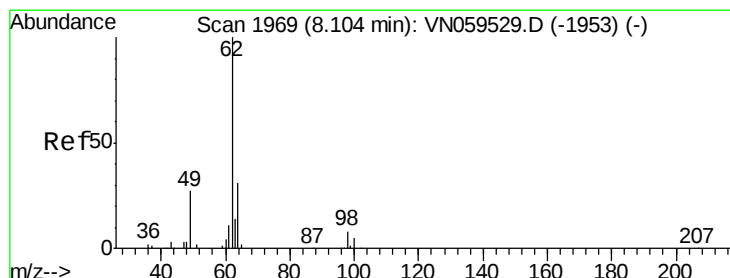
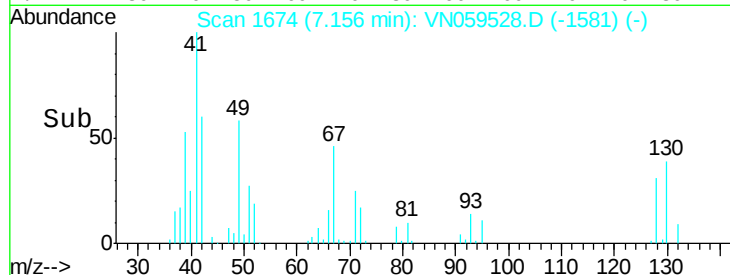
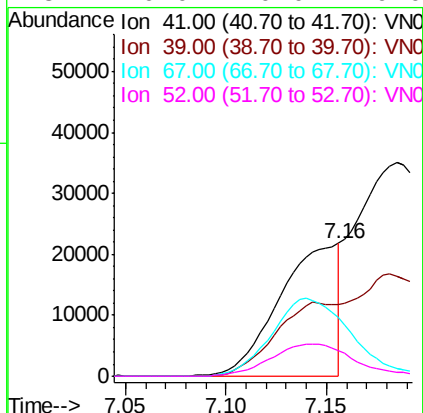
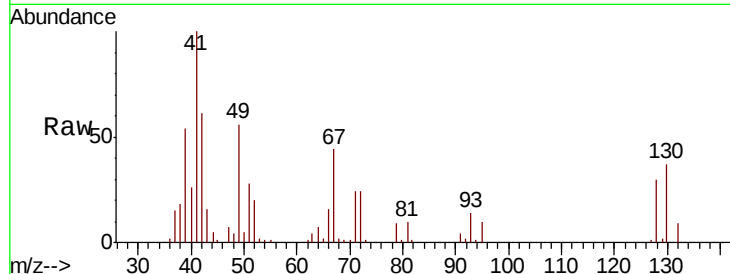
#41
Methacrylonitrile
Concen: 22.213 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:	41	Resp:	44847
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

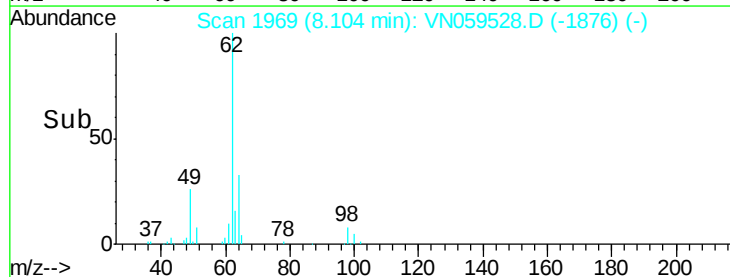
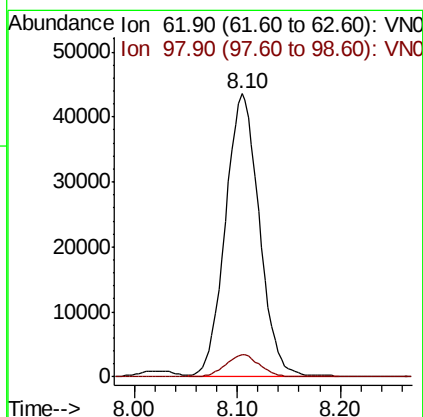
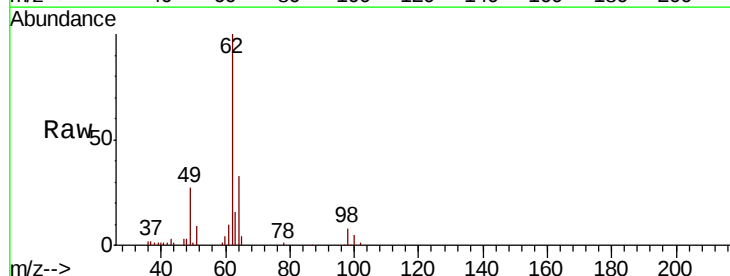
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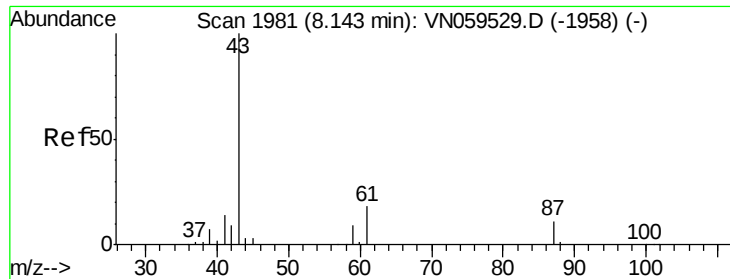
apatel
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#42
1,2-Dichloroethane
Concen: 22.552 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion:	62	Resp:	100041
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.4





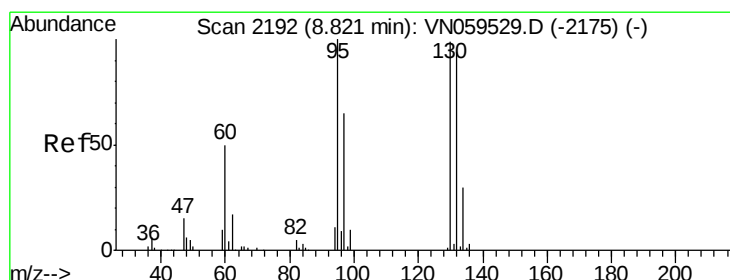
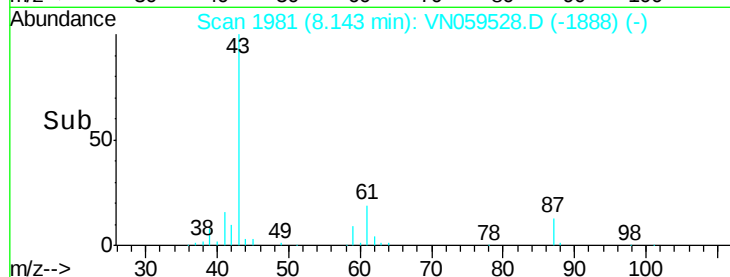
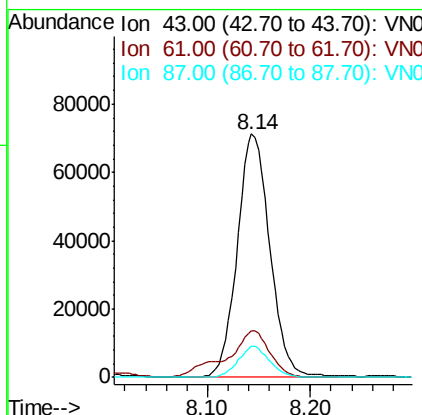
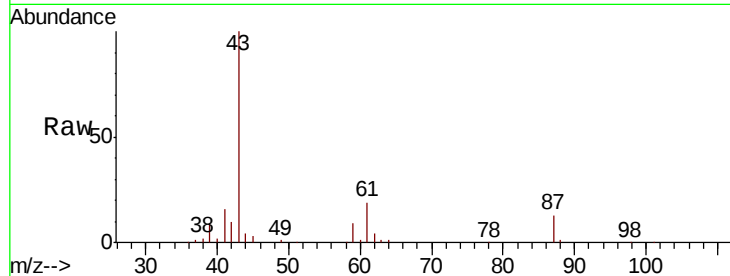
#43
Isopropyl Acetate
Concen: 21.425 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	61	87
Resp	156934		
Ratio	100	25.3	12.2
Lower		19.8	9.4
Upper		29.6	14.2

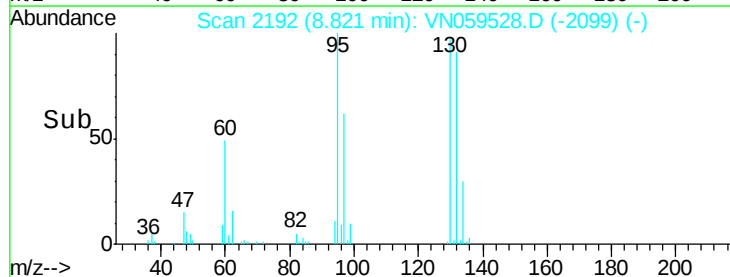
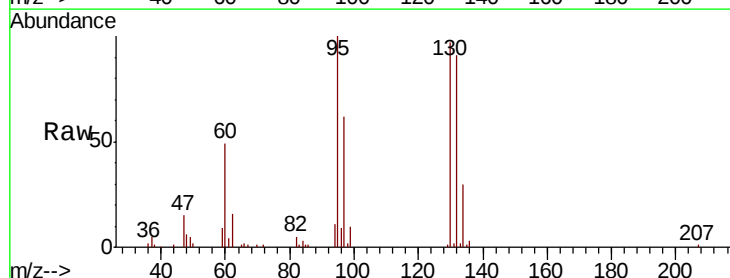
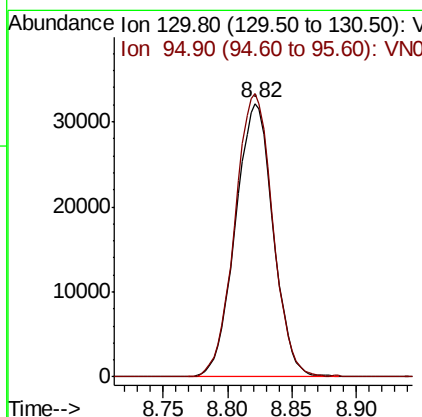
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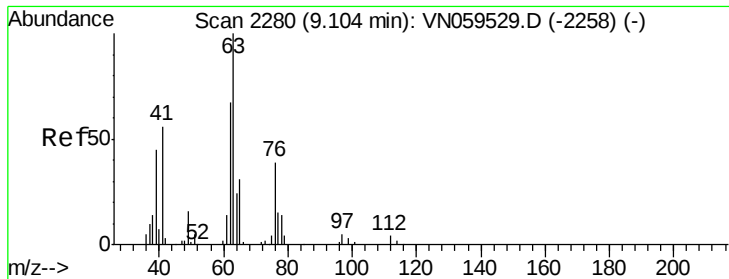
apatel
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#44
Trichloroethene
Concen: 19.661 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	130	95
Resp	65502	
Ratio	100	103.4
Lower		0.0
Upper		202.0





#45

1,2-Dichloropropane

Concen: 20.750 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 70936

Ion Ratio Lower Upper

63 100

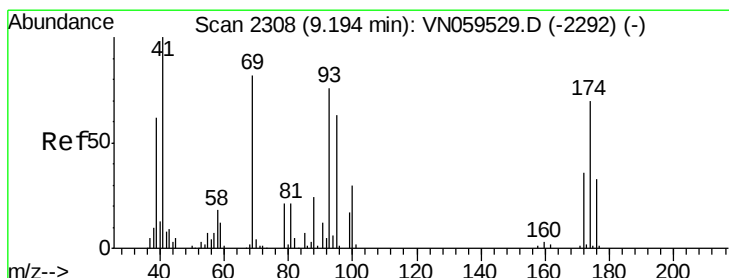
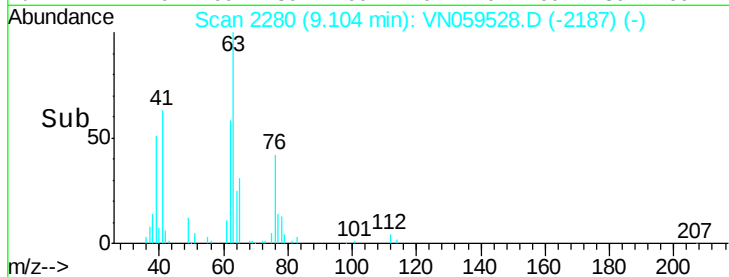
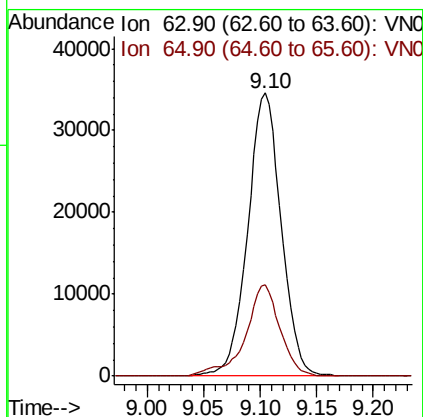
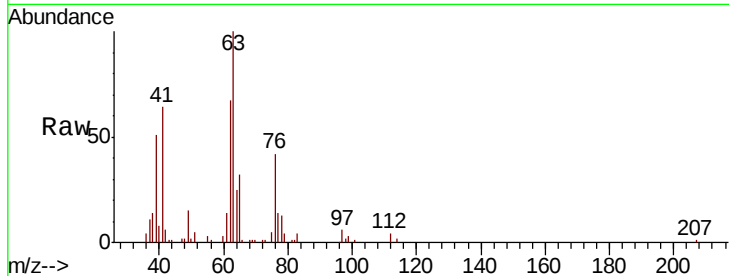
65 32.1 24.8 37.2

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#46

Dibromomethane

Concen: 21.418 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

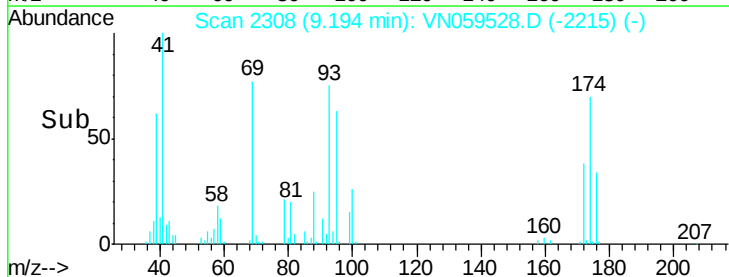
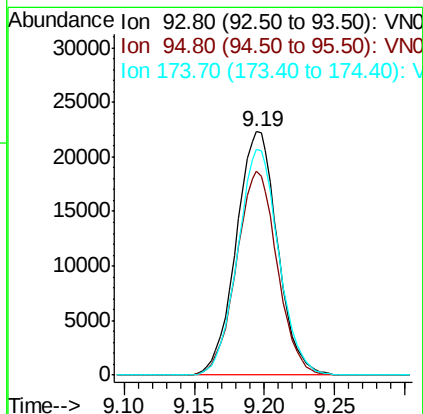
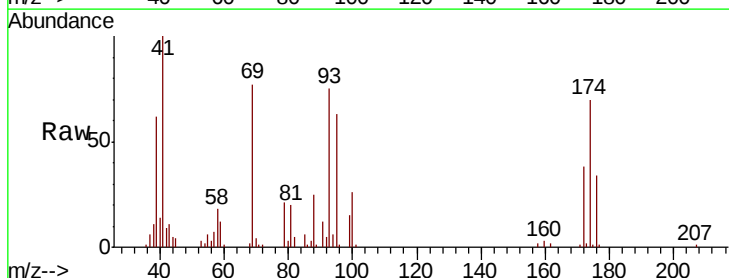
Tgt Ion: 93 Resp: 45832

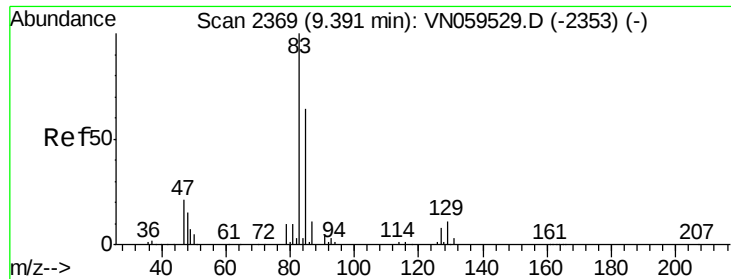
Ion Ratio Lower Upper

93 100

95 82.6 67.0 100.6

174 91.7 75.6 113.4





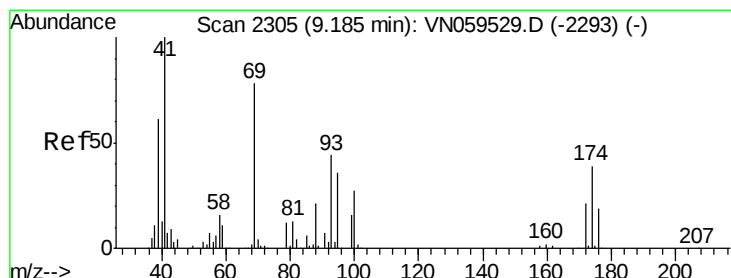
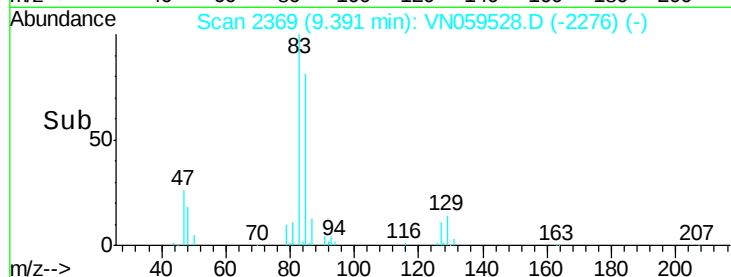
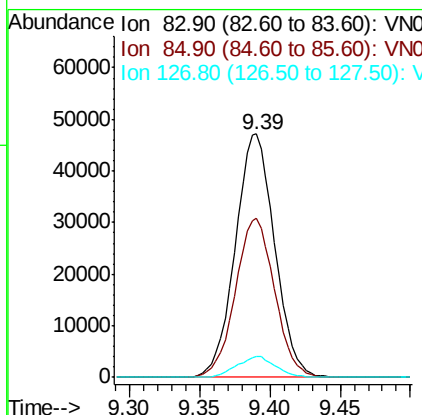
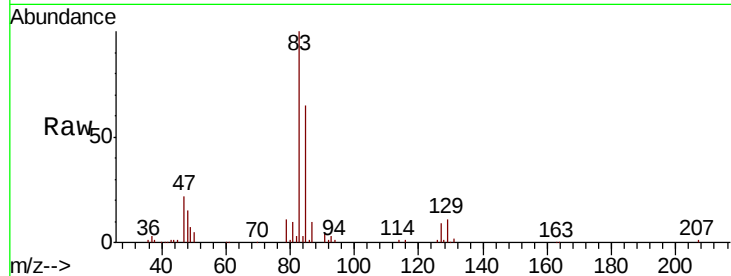
#47
Bromodichloromethane
Concen: 21.391 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	92106
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	51.4	77.0
127	8.6	6.7	10.1

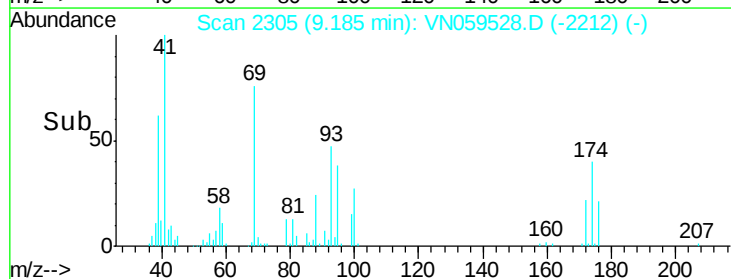
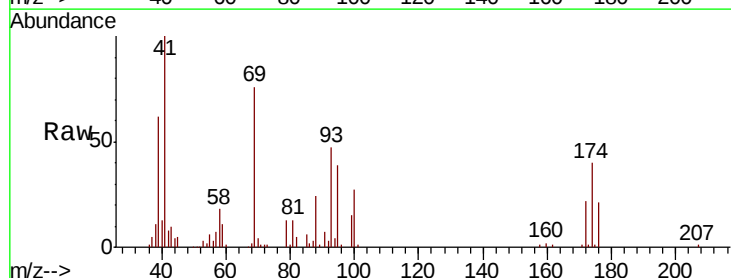
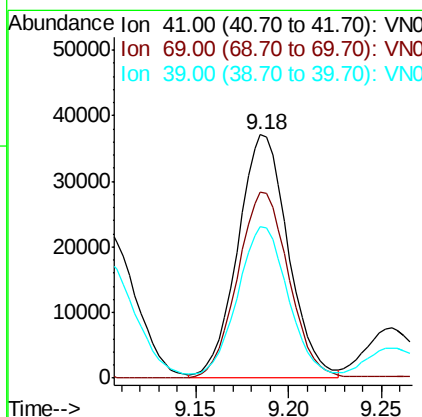
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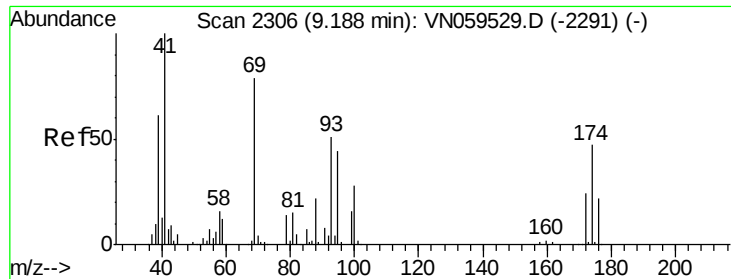
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#48
Methyl methacrylate
Concen: 21.261 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	41	Resp	70134
Ion Ratio	100	Lower	Upper
41	100		
69	78.1	64.0	96.0
39	62.6	50.0	75.0





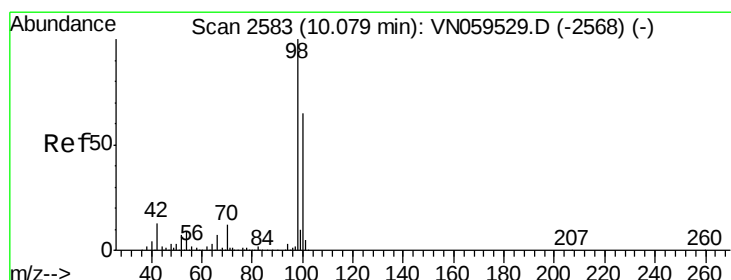
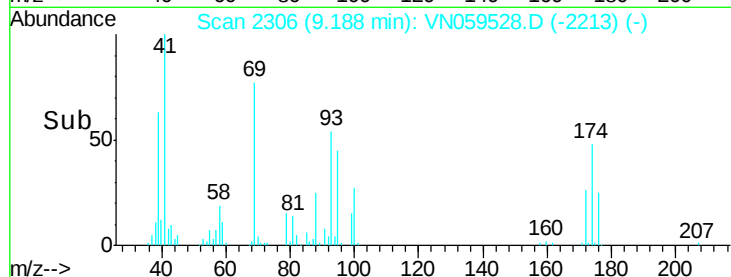
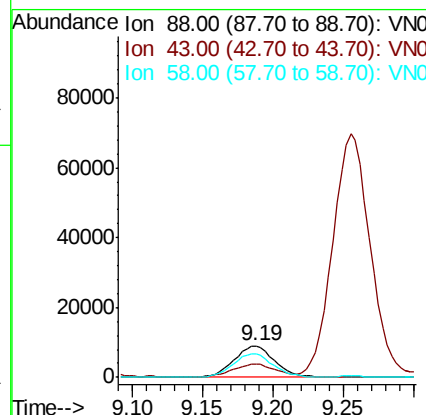
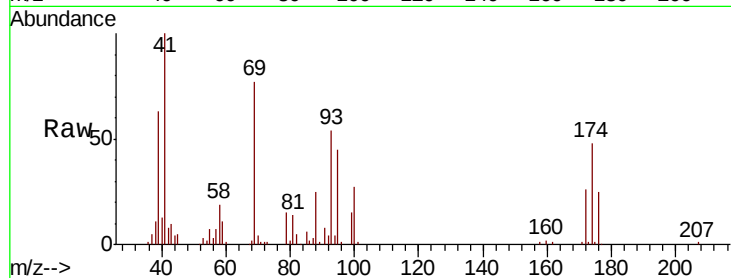
#49
1,4-Dioxane
Concen: 375.770 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	31.4	47.0
58	74.9	61.0	91.6

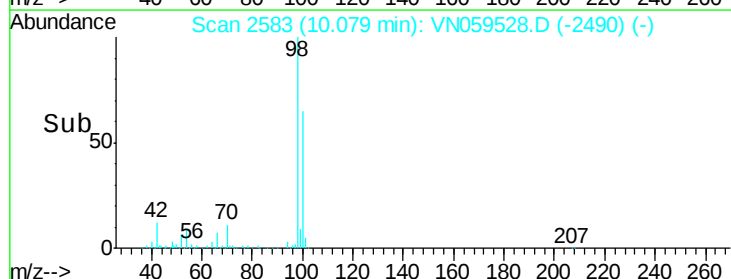
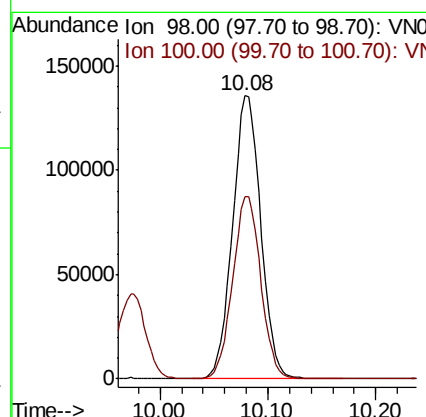
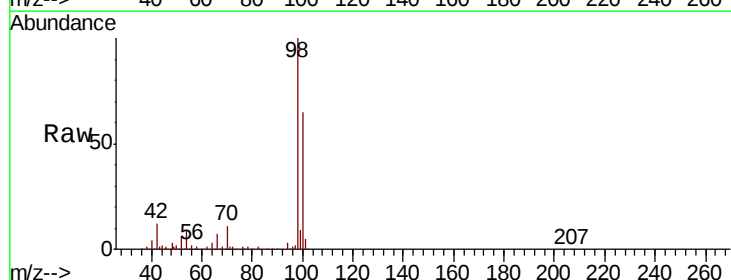
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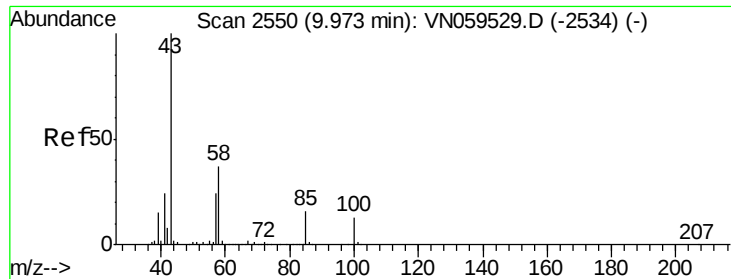
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#50
Toluene-d8
Concen: 24.208 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 124.663 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 540906

Ion Ratio Lower Upper

43 100

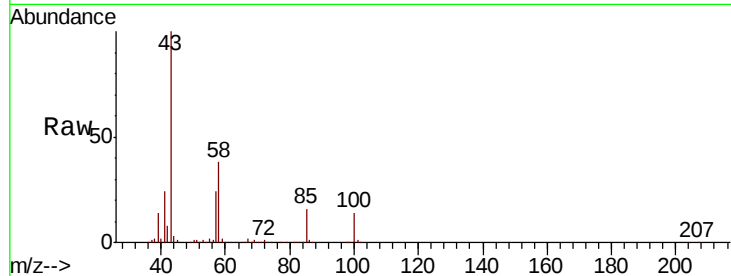
58 37.6 30.1 45.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

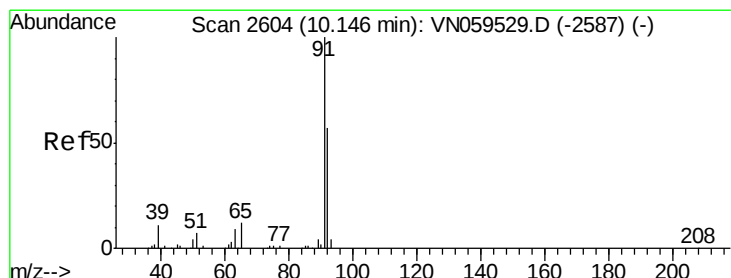
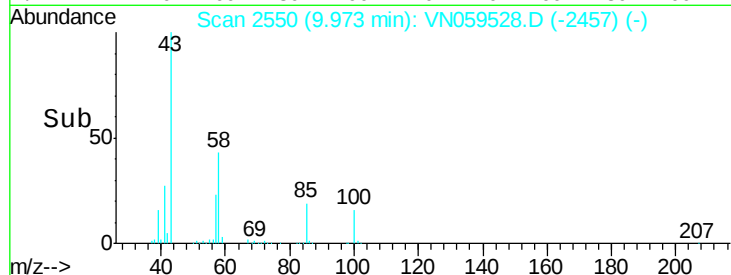
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 24.455 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059528.D

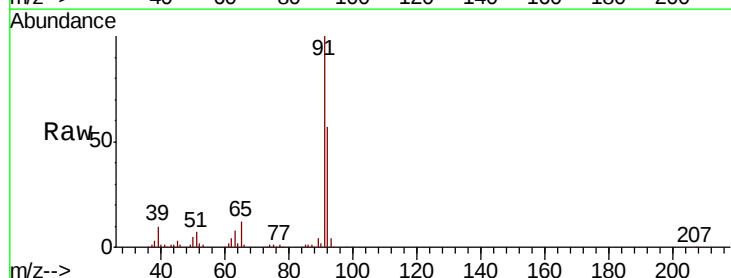
Acq: 9 Dec 2019 15:30

Tgt Ion: 92 Resp: 188472

Ion Ratio Lower Upper

92 100

91 174.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

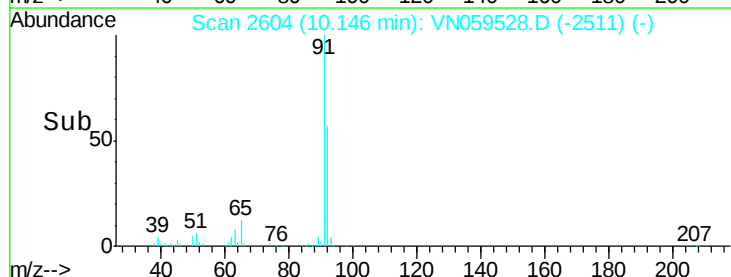
150000

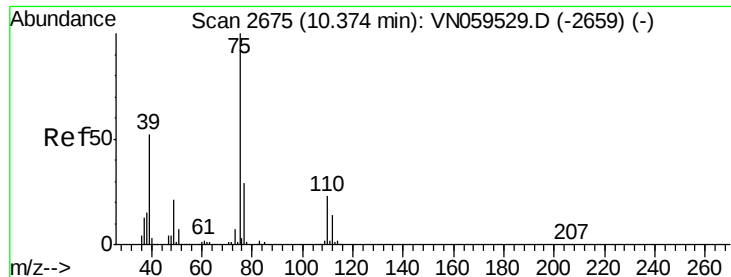
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 24.220 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 122301

Ion Ratio Lower Upper

75 100

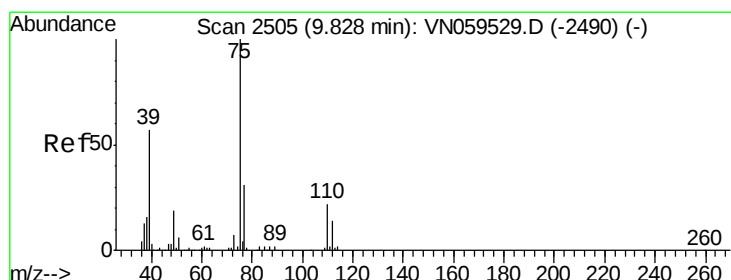
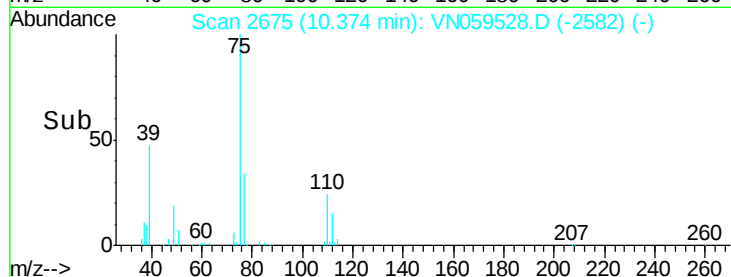
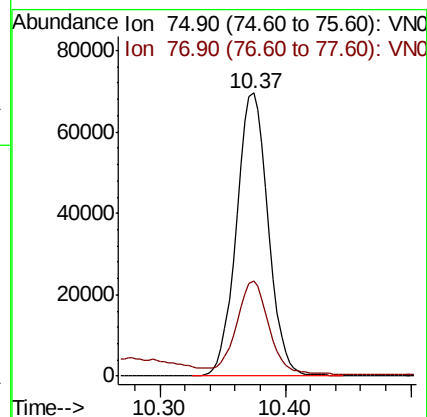
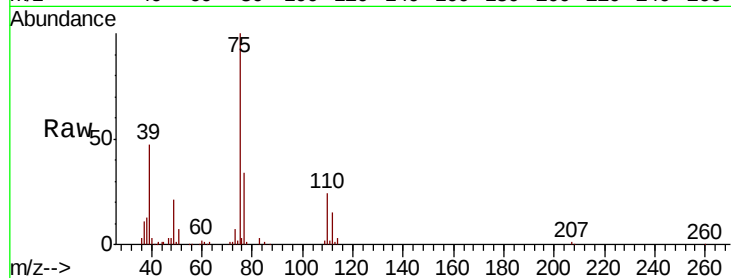
77 33.1 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 20.698 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

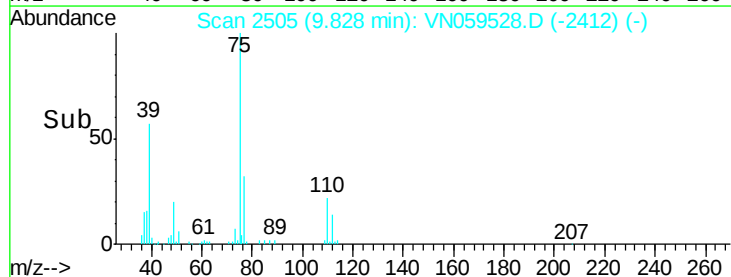
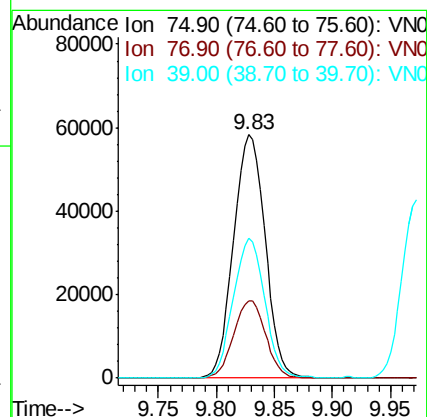
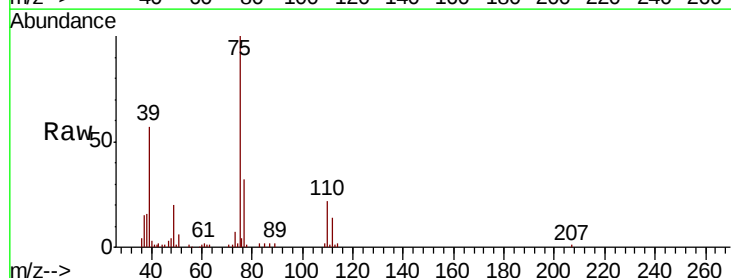
Tgt Ion: 75 Resp: 110261

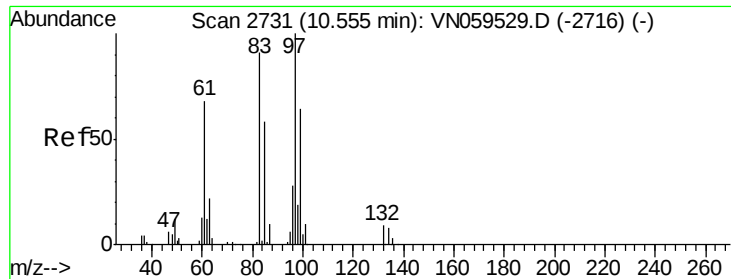
Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

39 57.3 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 25.023 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

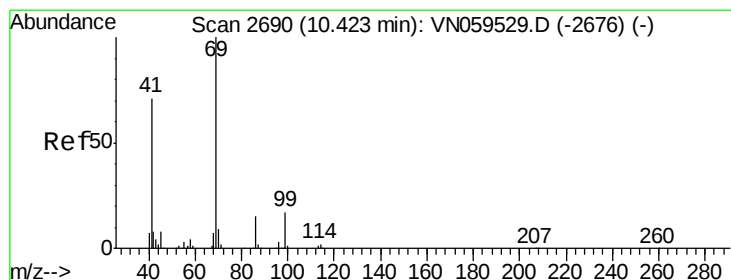
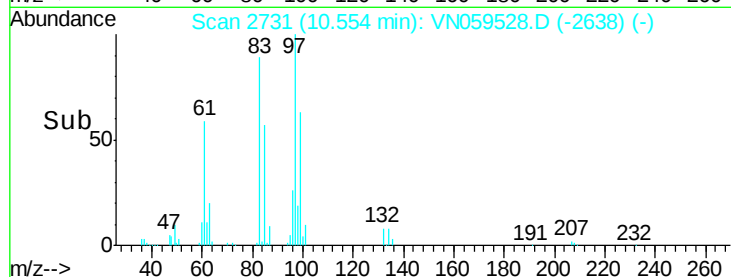
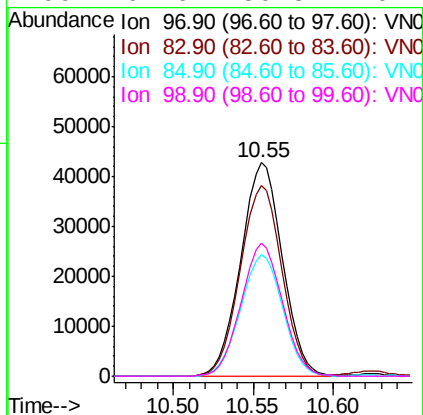
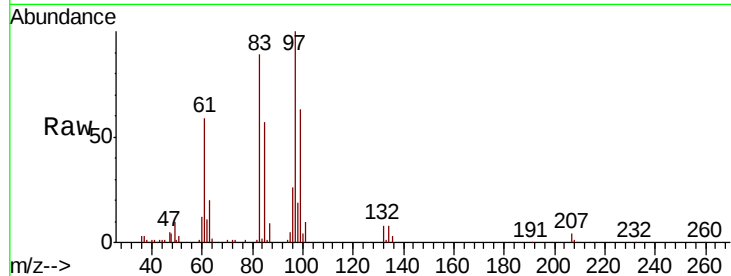
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	76146
Ion	Ratio	Lower	Upper
97	100		
83	89.4	72.9	109.3
85	56.7	46.1	69.1
99	62.6	50.8	76.2

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#56

Ethyl methacrylate

Concen: 25.314 ug/l

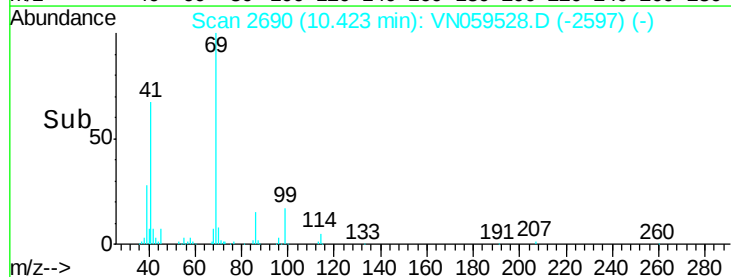
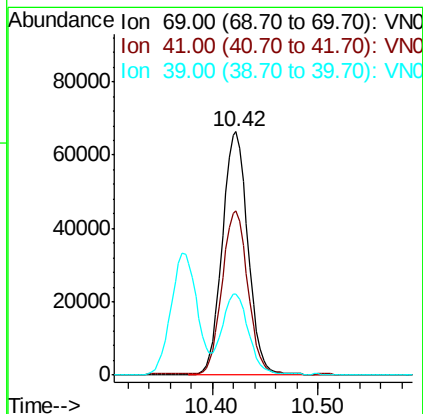
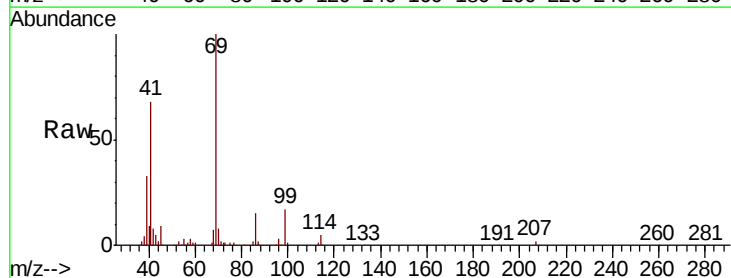
RT: 10.42 min Scan# 2690

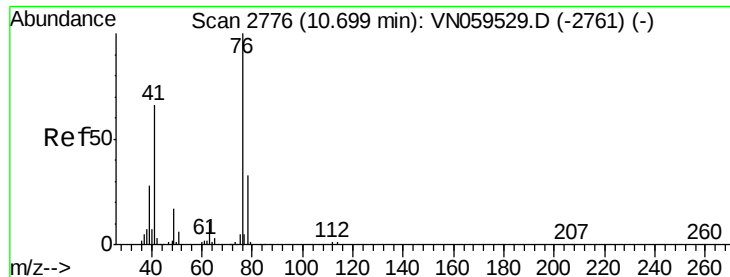
Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion:	69	Resp:	111599
Ion	Ratio	Lower	Upper
69	100		
41	67.4	57.7	86.5
39	34.7	34.2	51.2





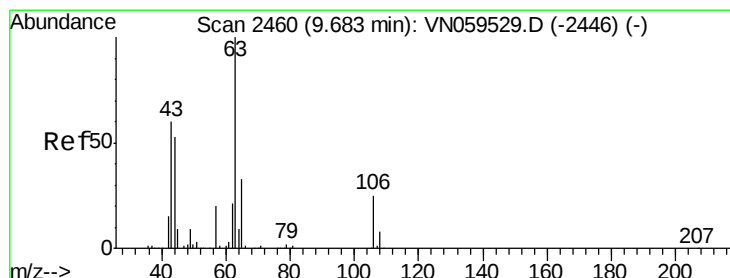
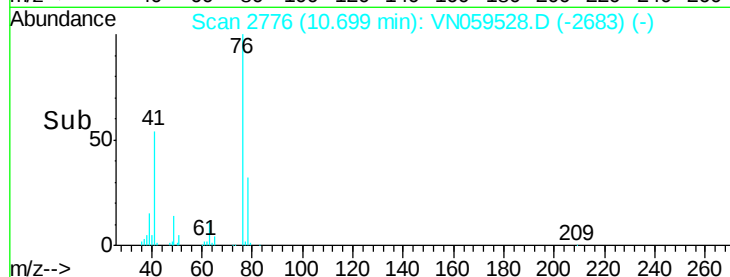
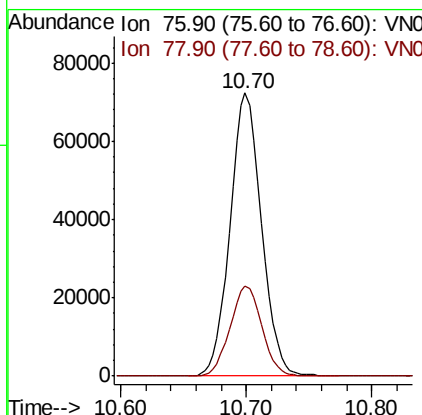
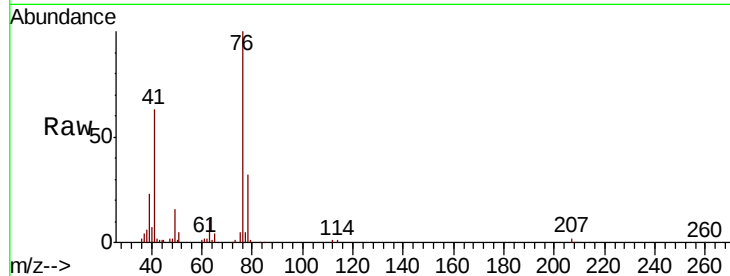
#57
 1,3-Dichloropropane
 Concen: 23.761 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 125546
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1

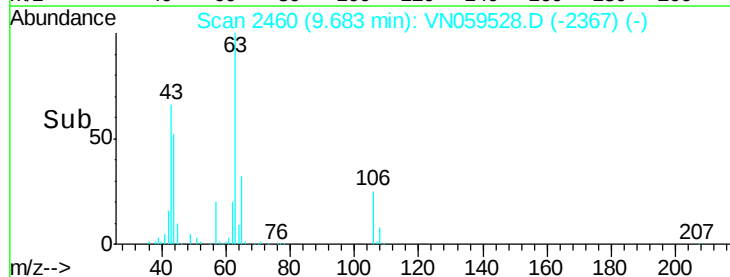
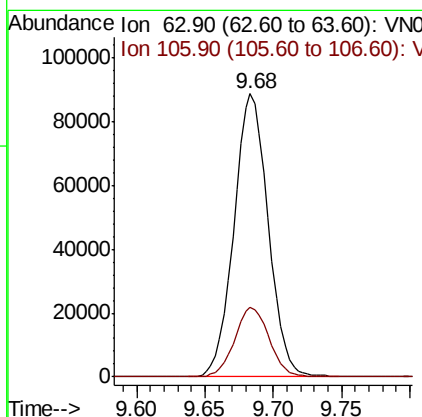
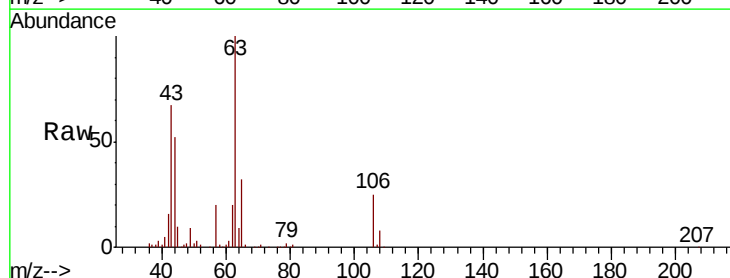
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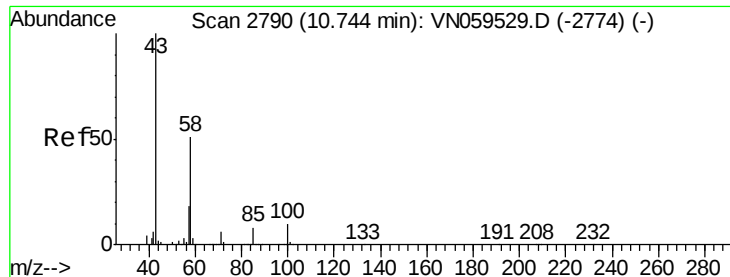
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#58
 2-Chloroethyl Vinyl ether
 Concen: 119.722 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion: 63 Resp: 154213
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.9 29.9





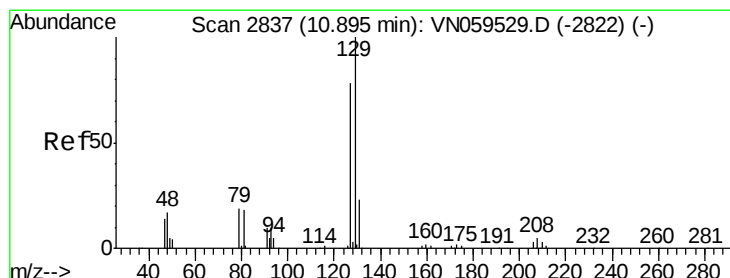
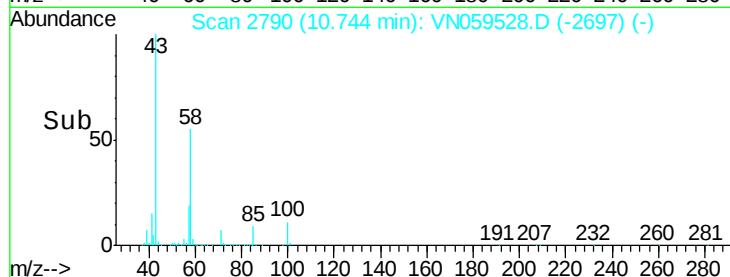
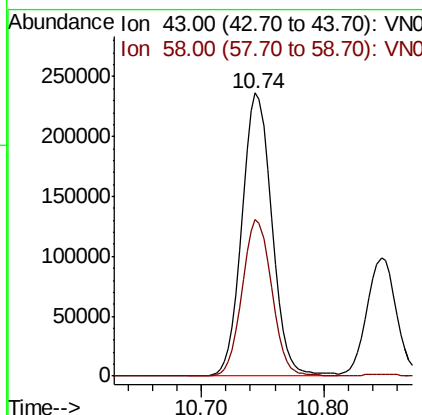
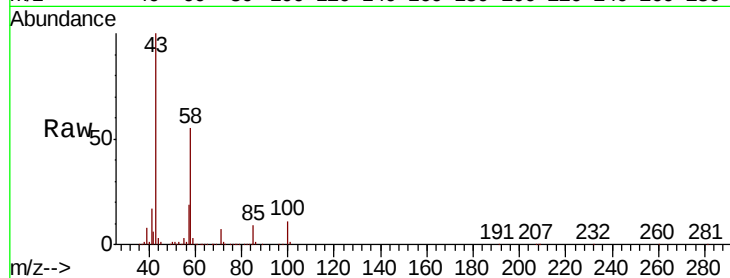
#59
2-Hexanone
Concen: 121.383 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 396370
Ion Ratio Lower Upper
43 100
58 55.3 25.9 77.6

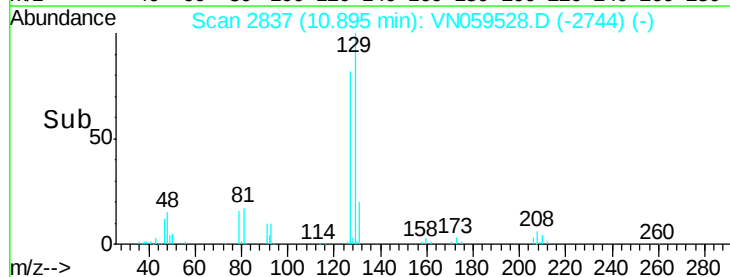
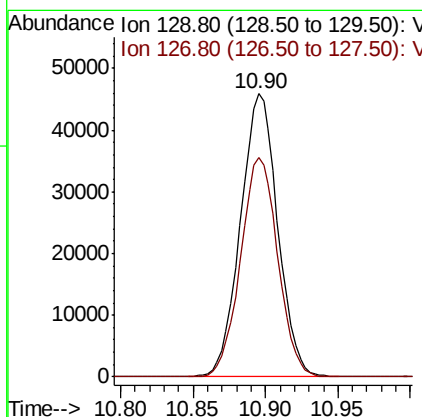
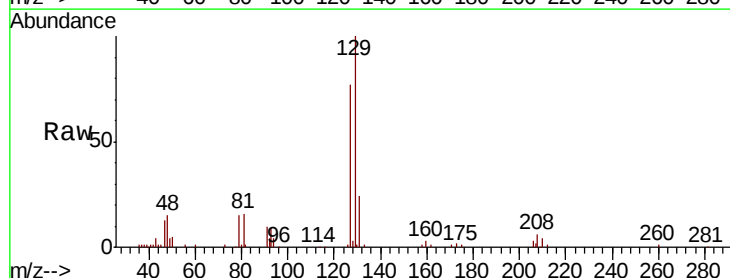
Manual Integrations
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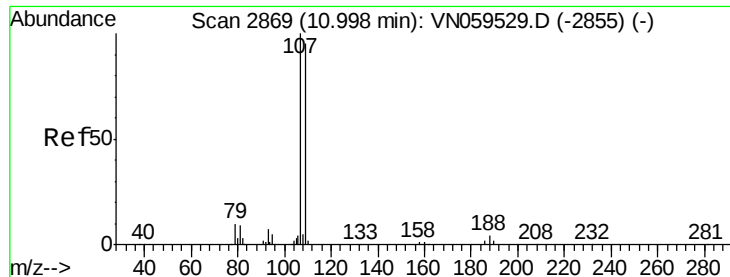
apatel
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#60
Dibromochloromethane
Concen: 25.046 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion: 129 Resp: 81897
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





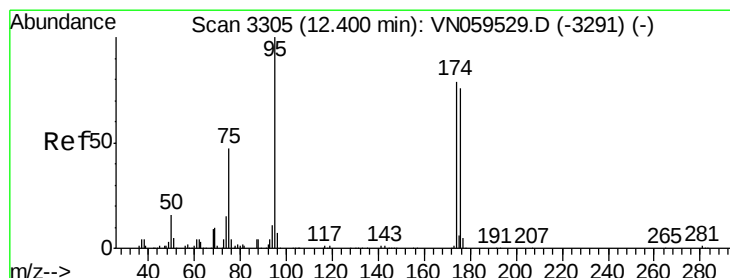
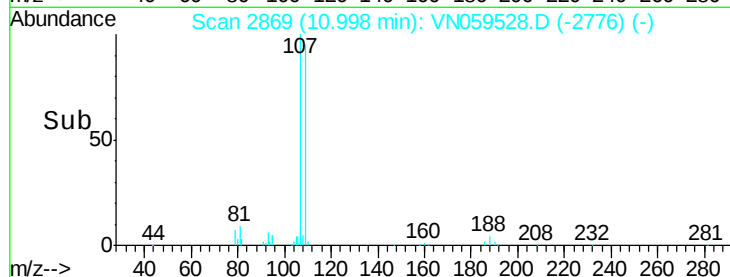
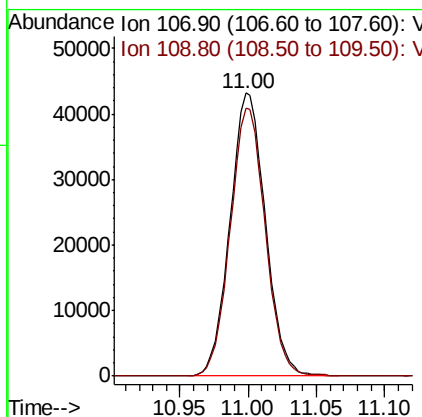
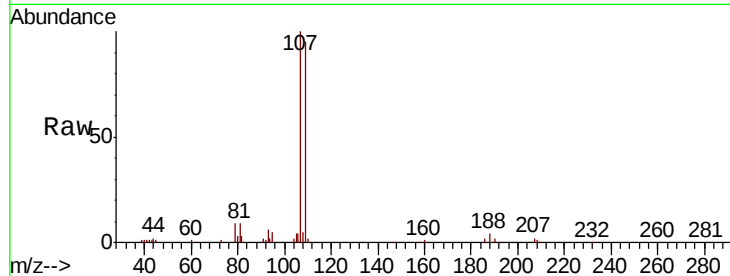
#61
 1,2-Dibromoethane
 Concen: 24.633 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 77653
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.1 114.1

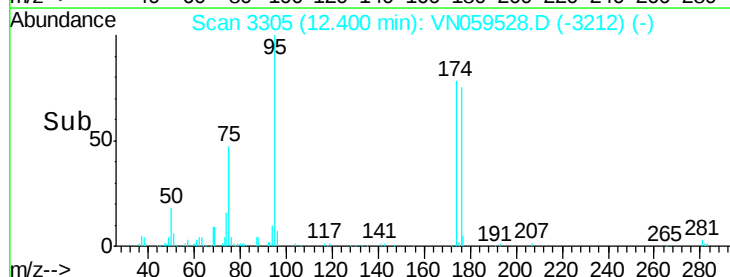
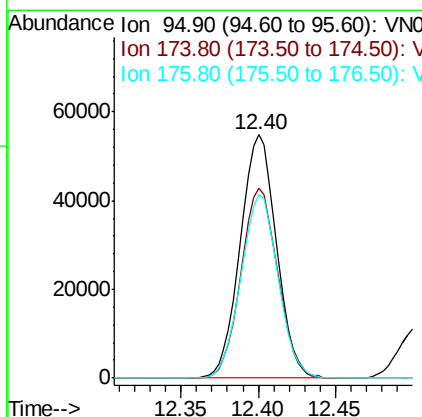
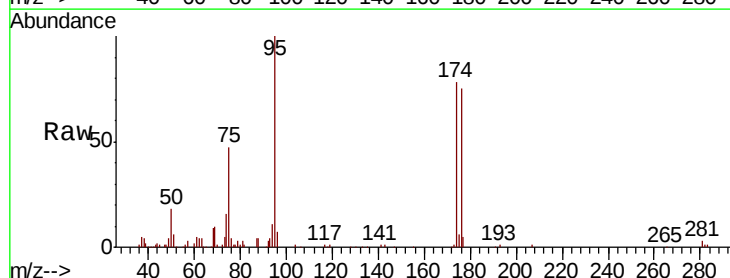
Manual Integrations
 APPROVED

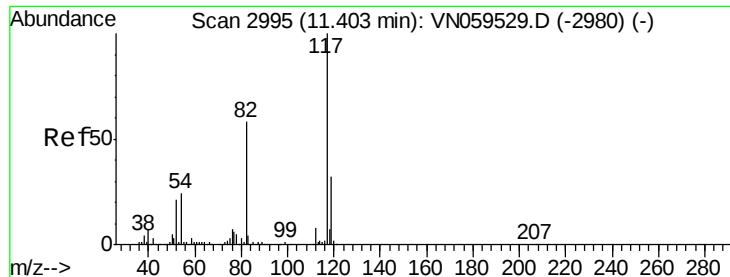
apatel
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#62
 4-Bromofluorobenzene
 Concen: 24.294 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion: 95 Resp: 89486
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 158.0
 176 77.3 0.0 155.4





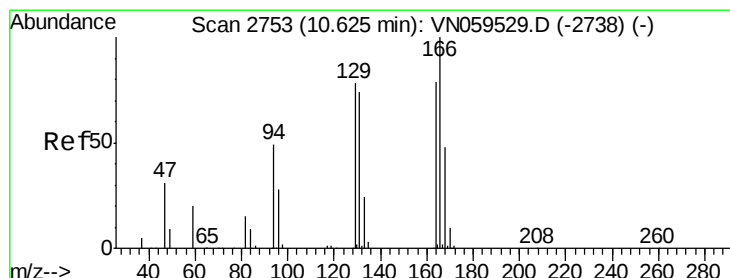
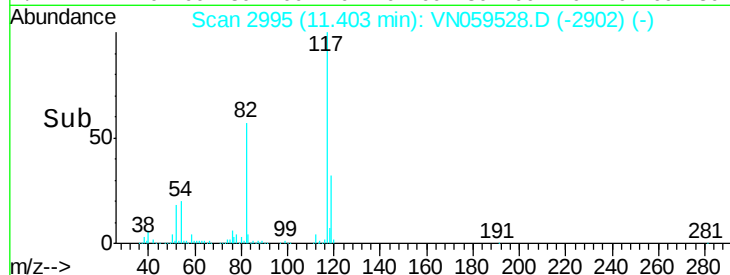
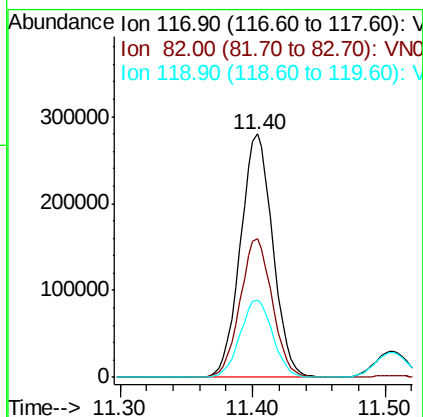
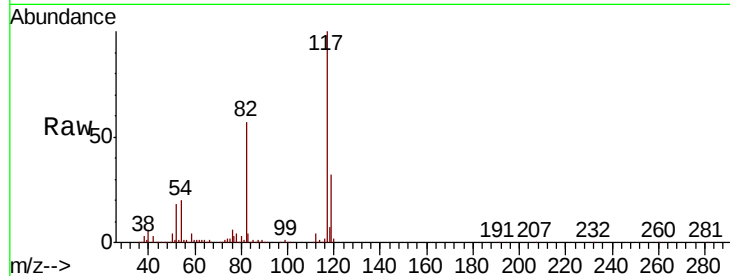
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.5	69.7
119	31.9	25.2	37.8

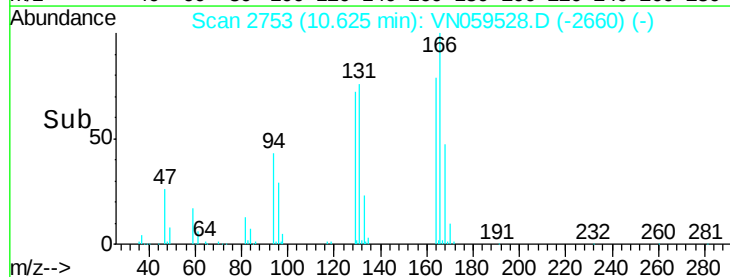
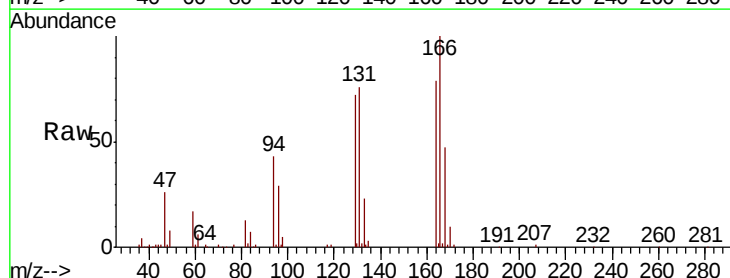
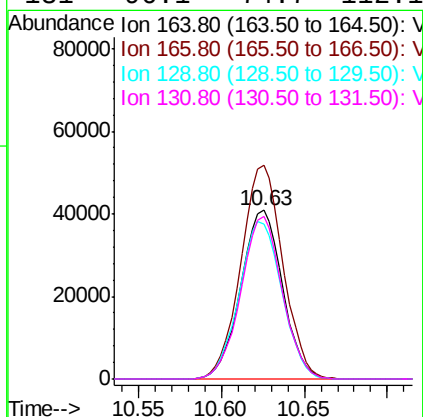
Manual Integrations
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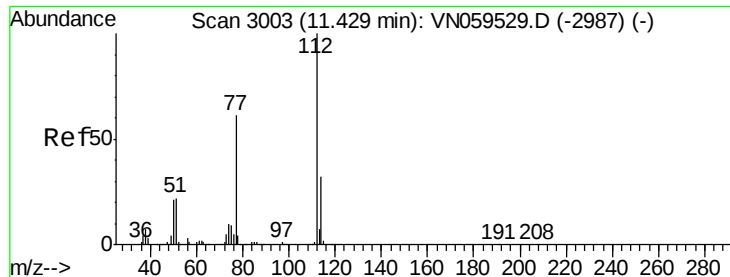
apatel
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#64
Tetrachloroethene
Concen: 18.639 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.6	152.4
129	91.6	79.0	118.6
131	96.1	74.7	112.1





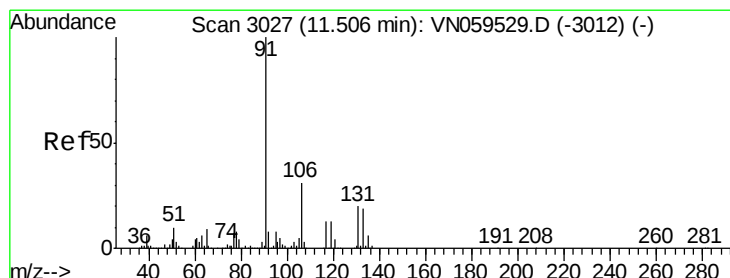
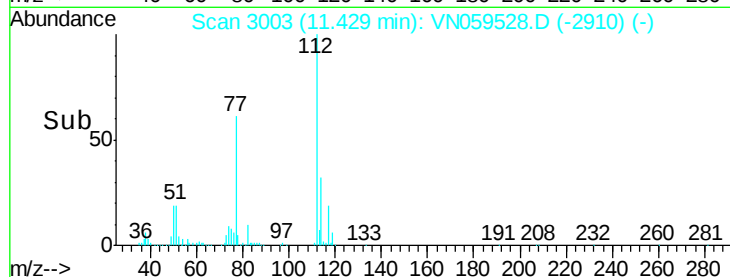
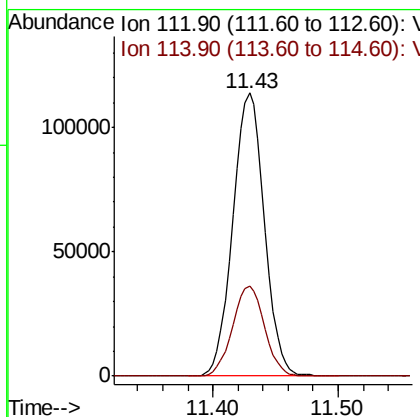
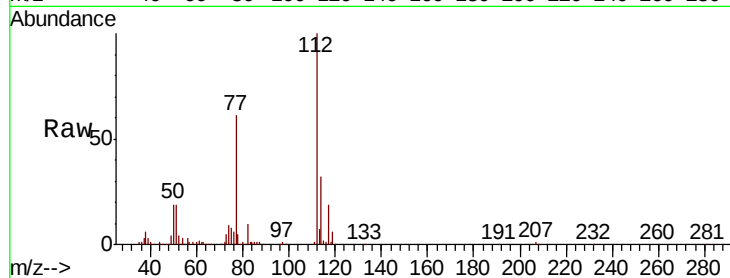
#65
Chlorobenzene
Concen: 19.690 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 198683
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0

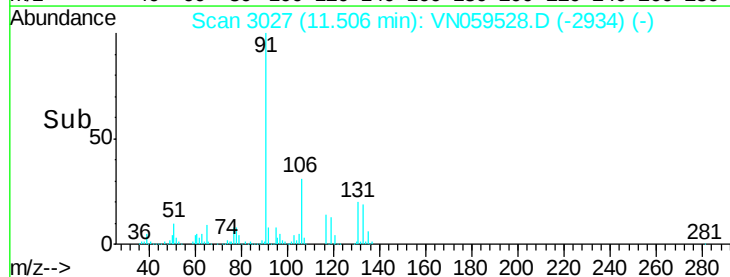
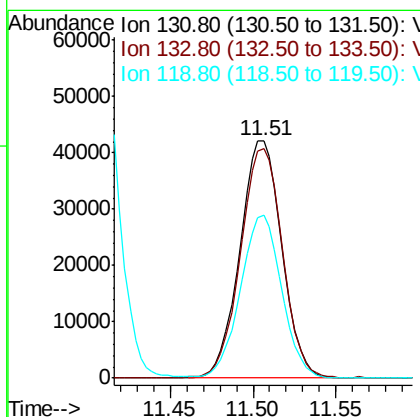
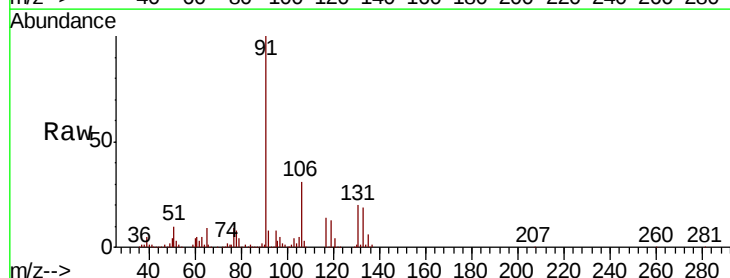
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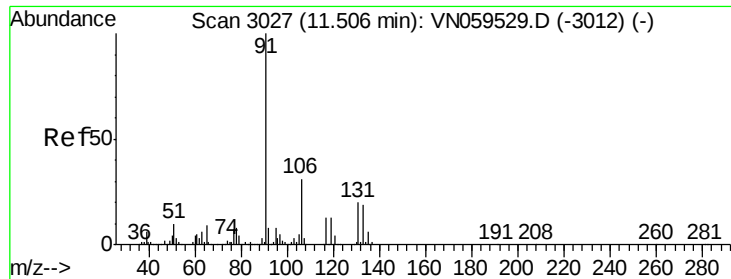
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.395 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion:131 Resp: 74209
Ion Ratio Lower Upper
131 100
133 97.0 47.8 143.3
119 67.6 33.4 100.2





#67

Ethyl Benzene

Concen: 20.188 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 357701

Ion Ratio Lower Upper

91 100

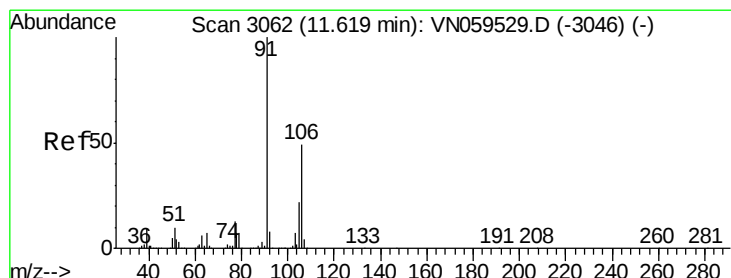
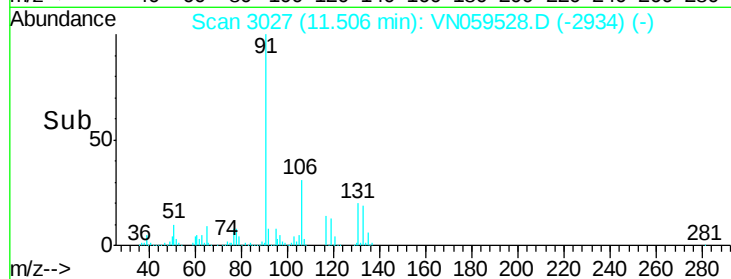
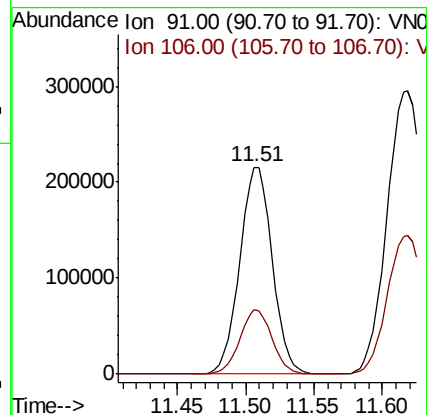
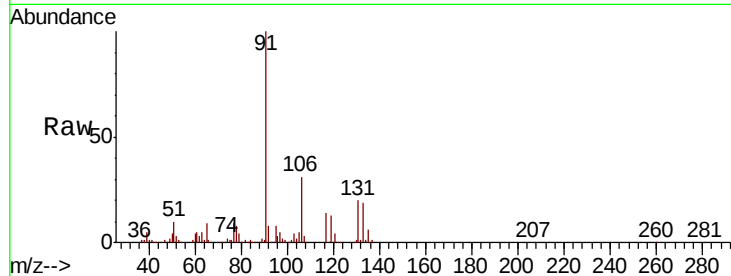
106 30.9 24.5 36.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.804 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059528.D

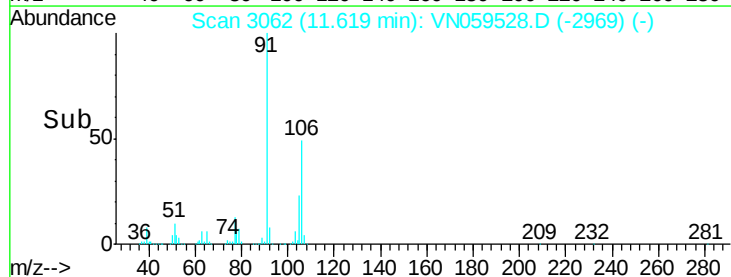
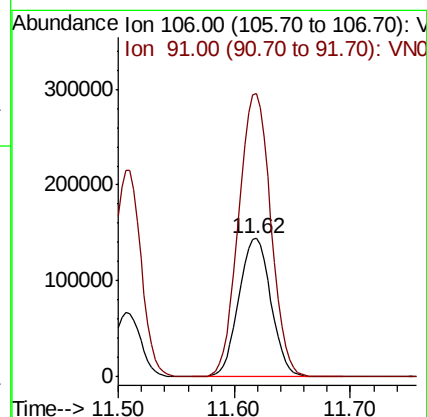
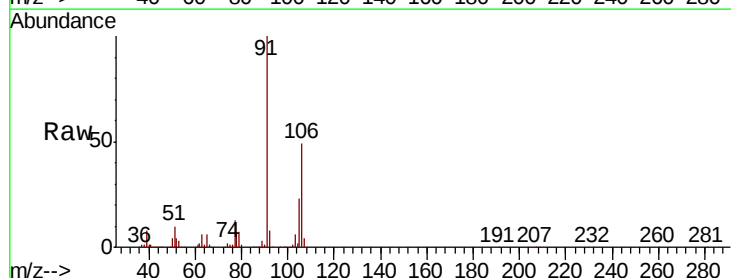
Acq: 9 Dec 2019 15:30

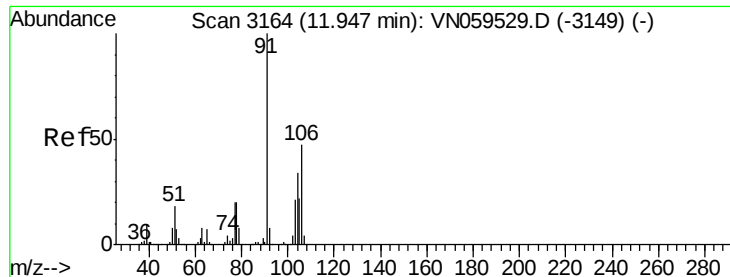
Tgt Ion: 106 Resp: 278069

Ion Ratio Lower Upper

106 100

91 204.8 162.9 244.3





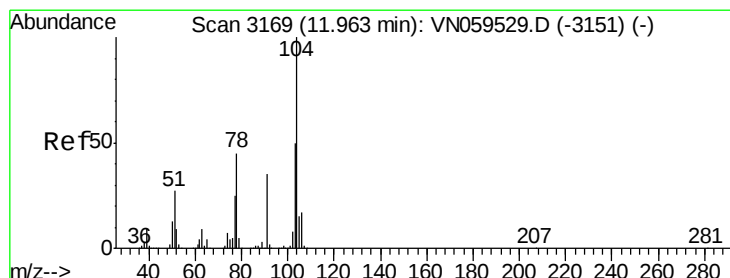
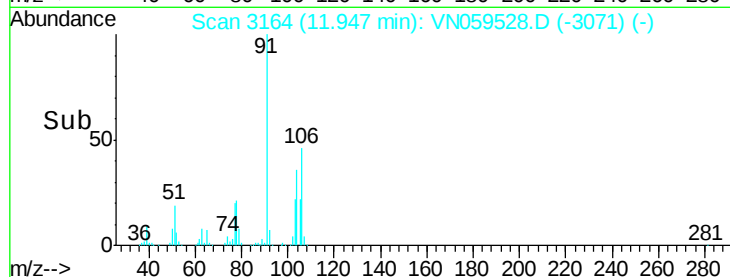
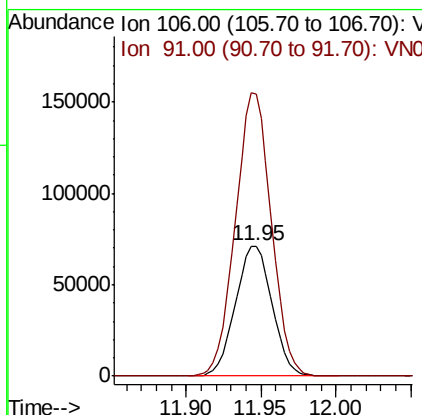
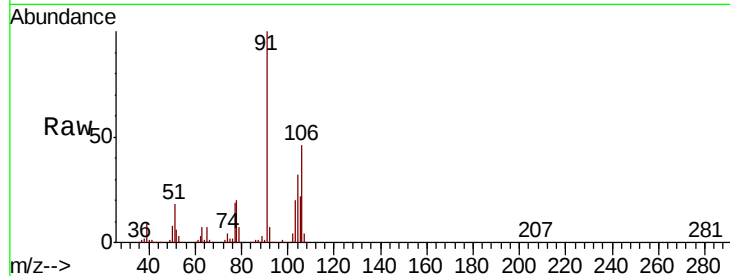
#69
o-Xylene
Concen: 19.143 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	213.4	106.7	319.9

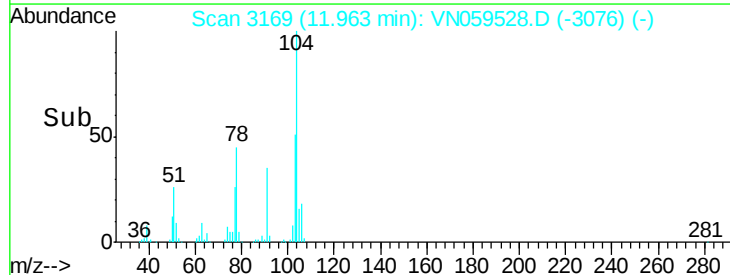
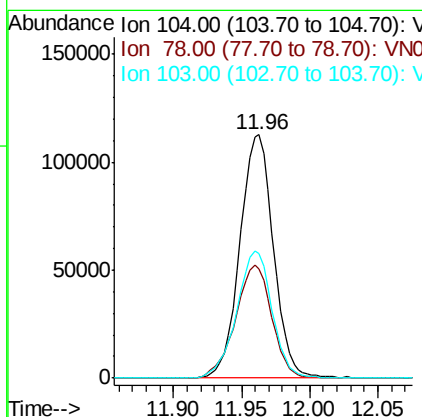
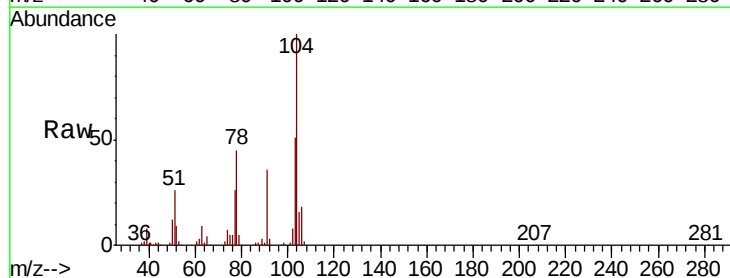
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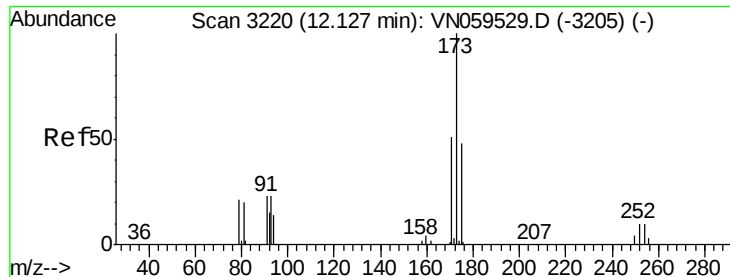
apatel
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#70
Styrene
Concen: 18.987 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.3	40.6	60.8
103	103	55.2	43.9	65.9





#71

Bromoform

Concen: 20.535 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 59035

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.4

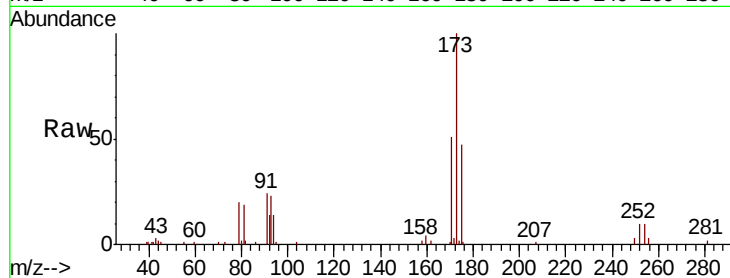
254 0.0 0.0 0.0

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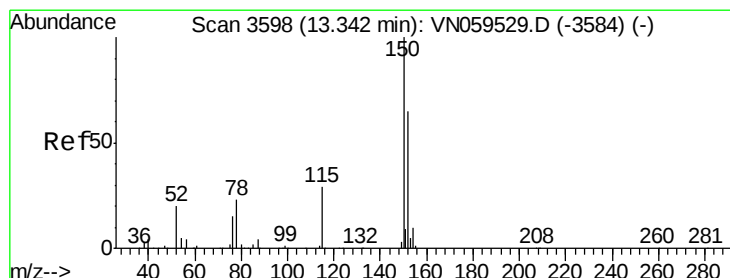
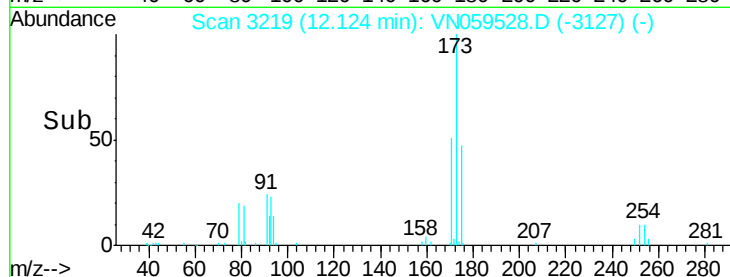
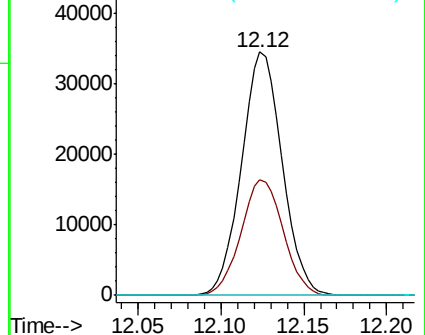
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

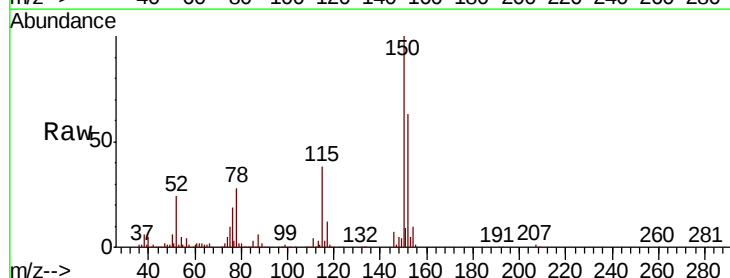
Tgt Ion:152 Resp: 209935

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

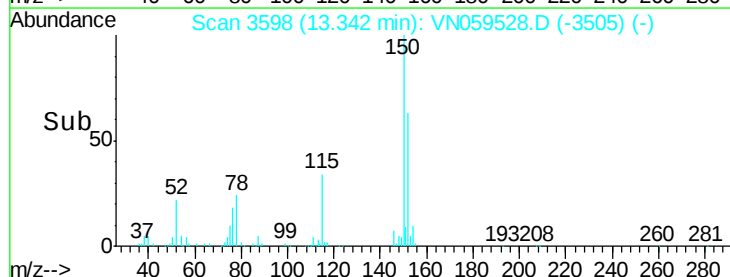
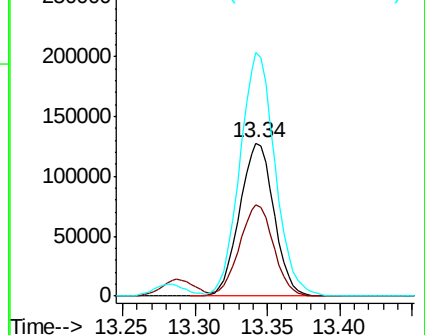
150 163.0 0.0 342.4

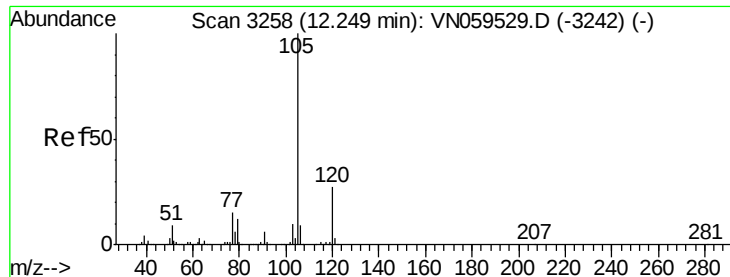


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.386 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 358203

Ion Ratio Lower Upper

105 100

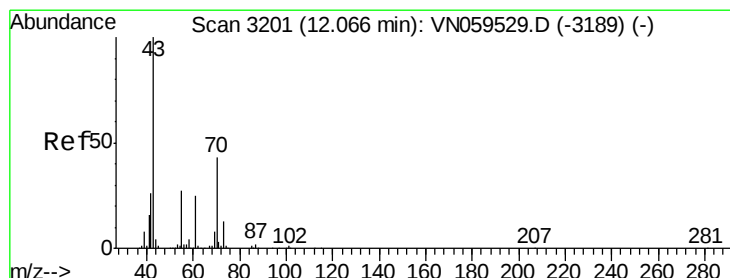
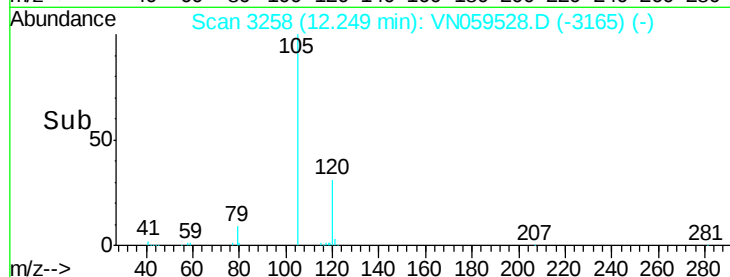
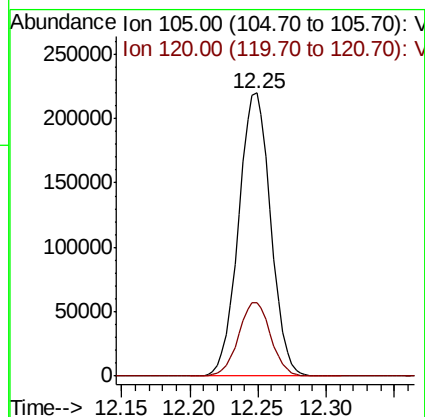
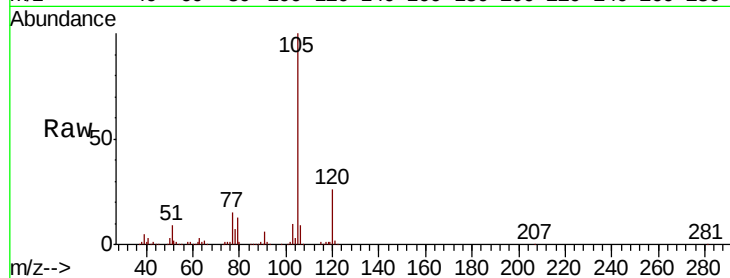
120 26.0 13.2 39.5

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#74

N-ethyl acetate

Concen: 22.577 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion: 43 Resp: 147501

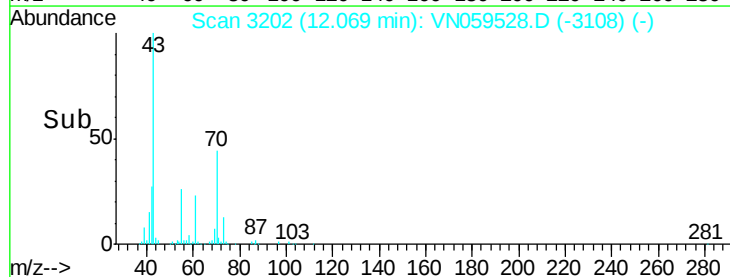
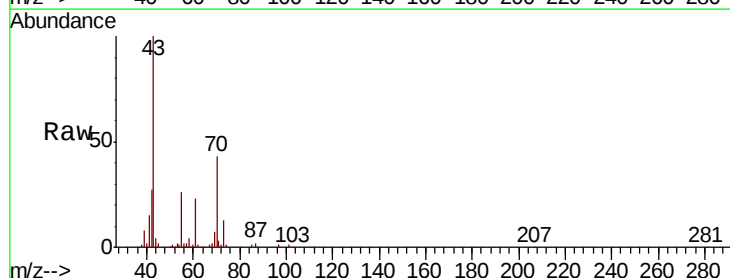
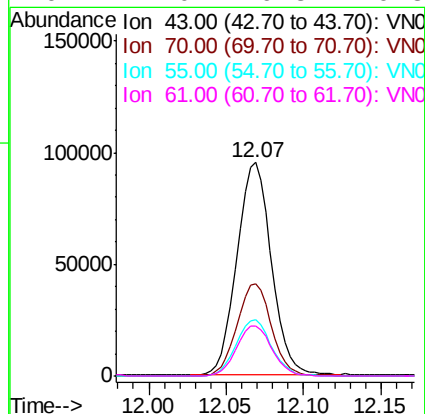
Ion Ratio Lower Upper

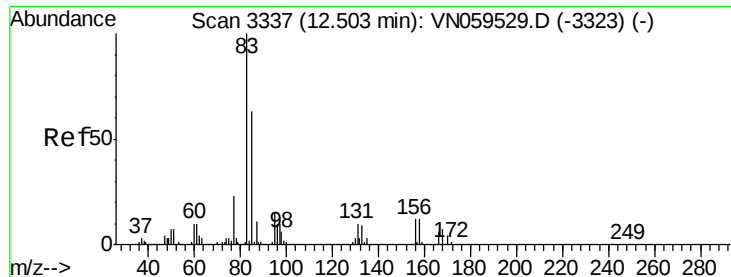
43 100

70 43.6 34.2 51.4

55 27.4 21.3 31.9

61 24.0 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.195 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

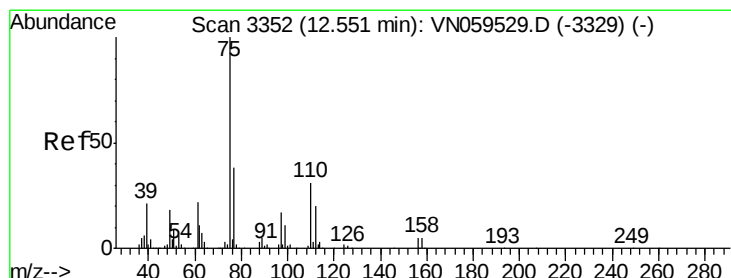
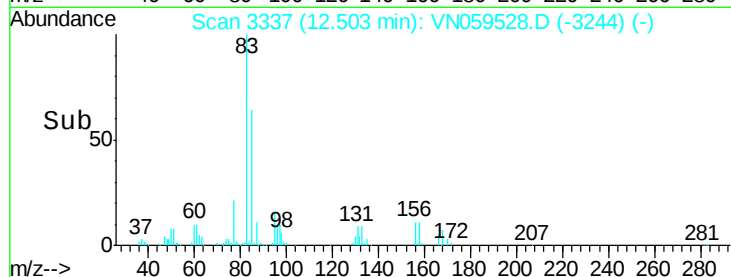
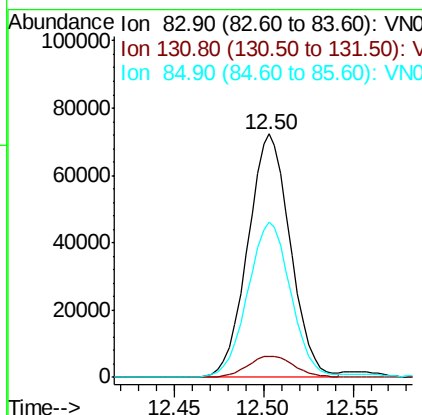
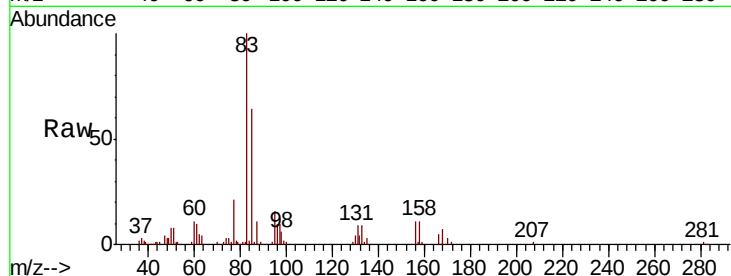
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	120482
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	64.5	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.851 ug/l m

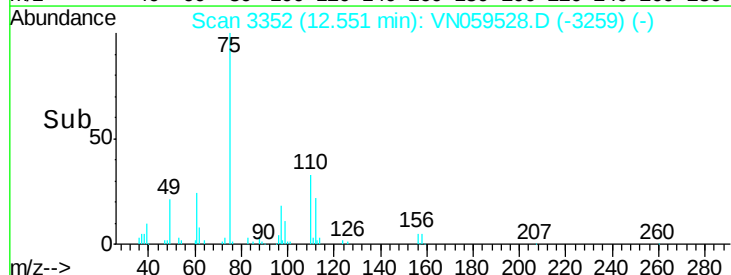
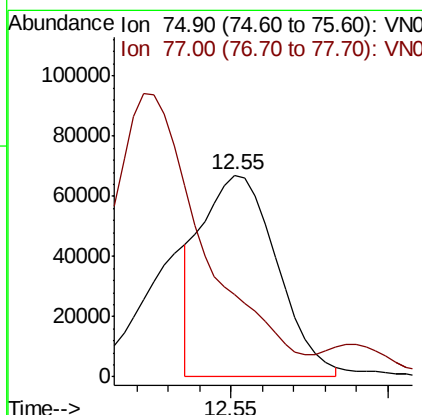
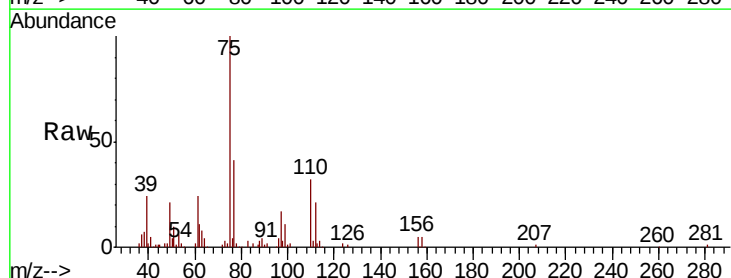
RT: 12.55 min Scan# 3352

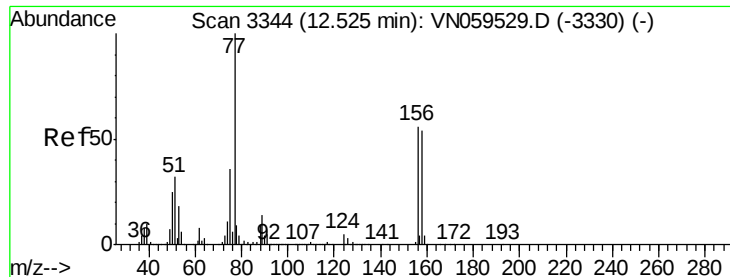
Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion:	75	Resp:	112072
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.076 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

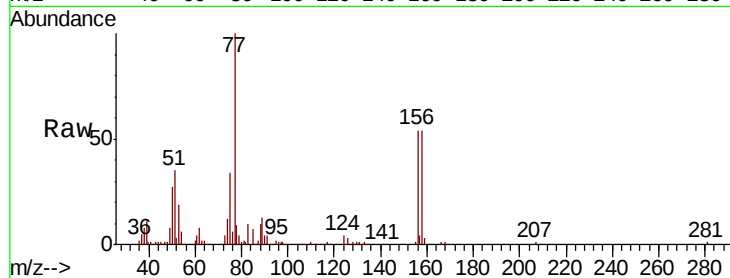
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	85397
Ion Ratio	Lower	Upper	
156	100		
77	229.3	109.3	327.8
158	100.0	48.6	145.8

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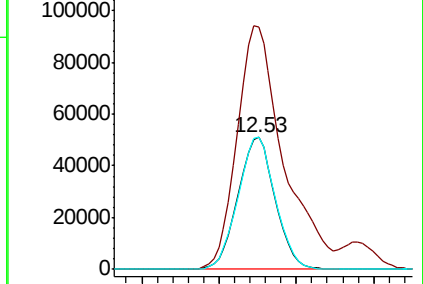
apatel
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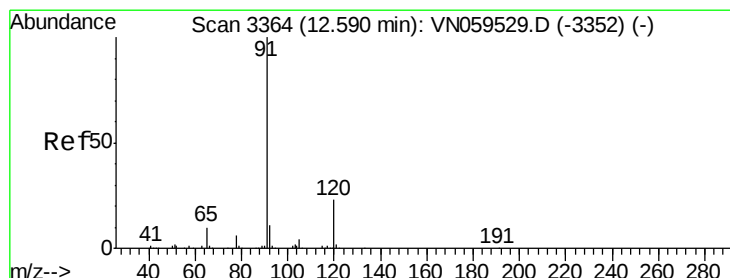
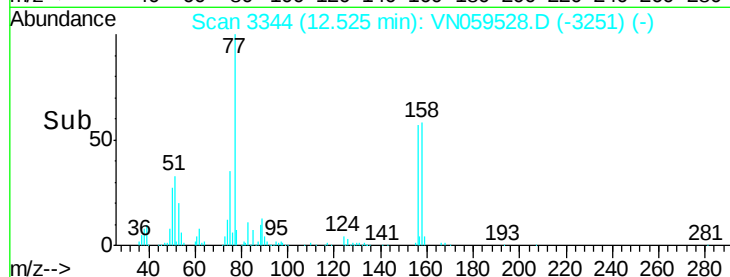
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 22.531 ug/l

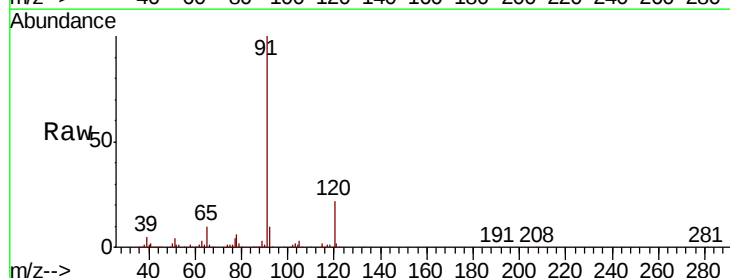
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059528.D

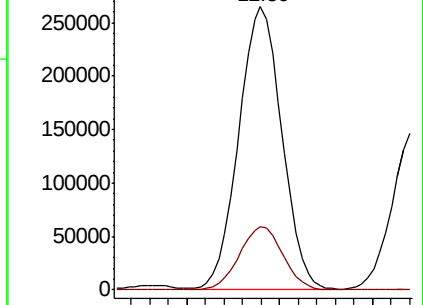
Acq: 9 Dec 2019 15:30

Tgt Ion:	91	Resp:	423806
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.4	34.1

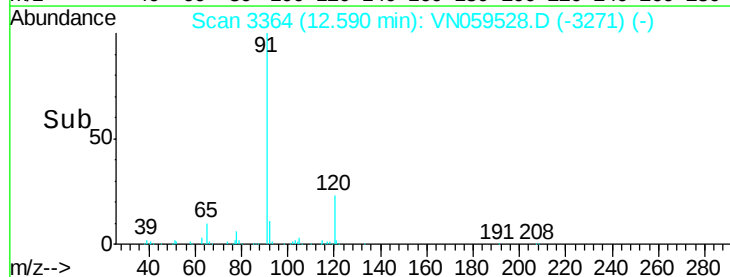


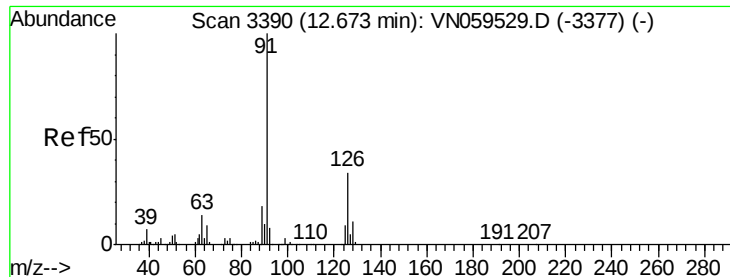
Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 21.743 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 246901

Ion Ratio Lower Upper

91 100

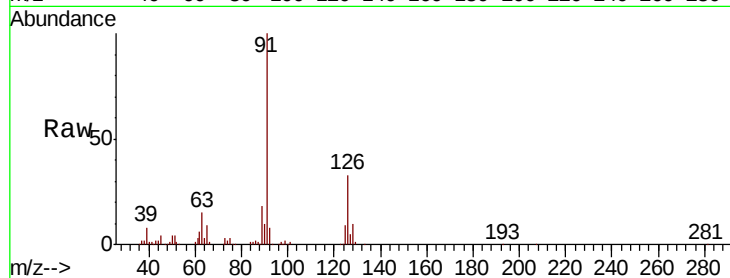
126 33.7 16.9 50.7

Manual Integrations

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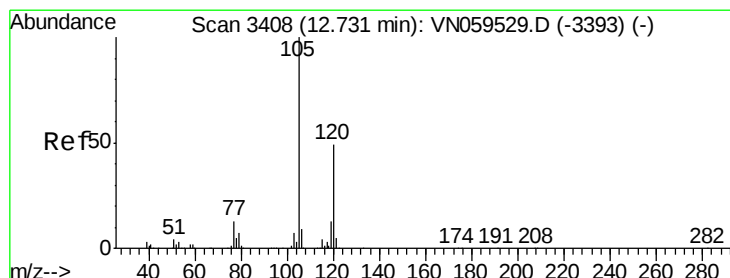
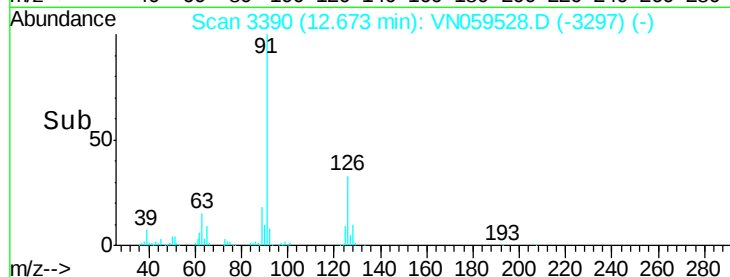
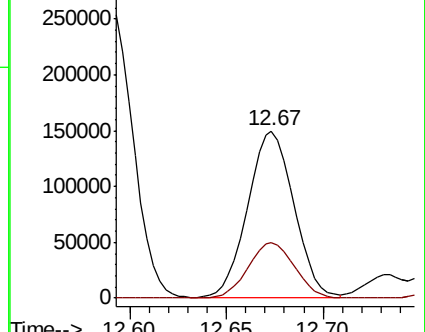
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Abundance Ion 91.00 (90.70 to 91.70): VN059528.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059528.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.653 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059528.D

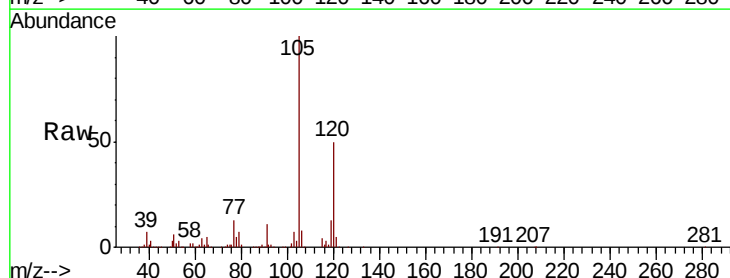
Acq: 9 Dec 2019 15:30

Tgt Ion: 105 Resp: 306795

Ion Ratio Lower Upper

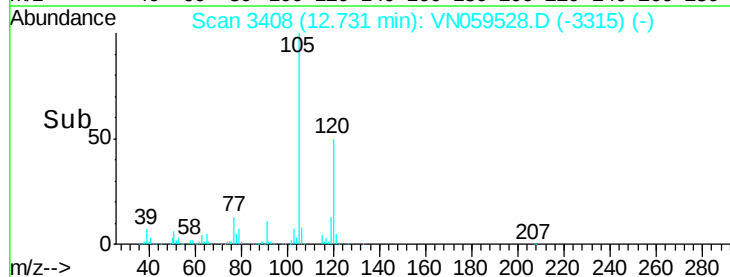
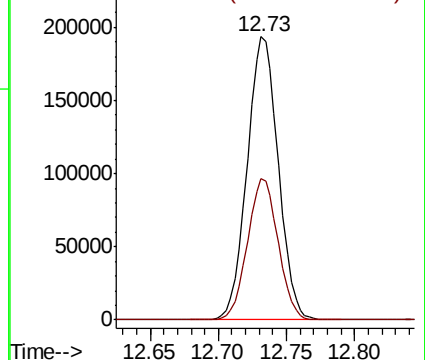
105 100

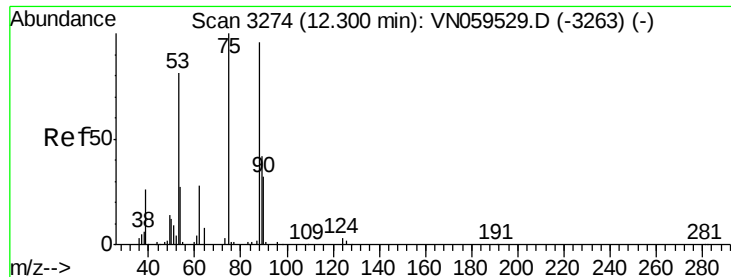
120 49.0 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059528.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN059528.D (-3393) (-)





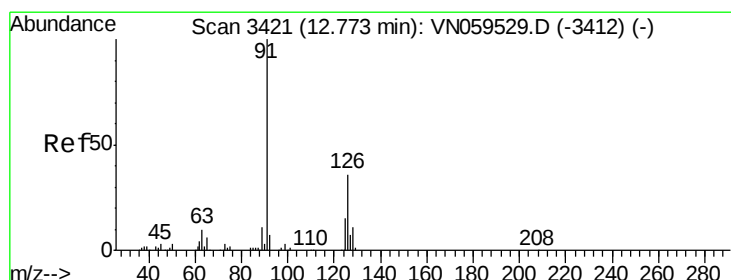
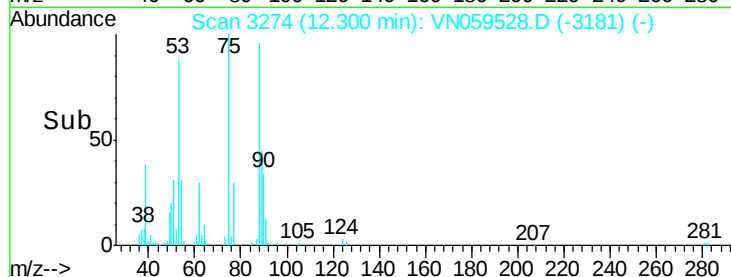
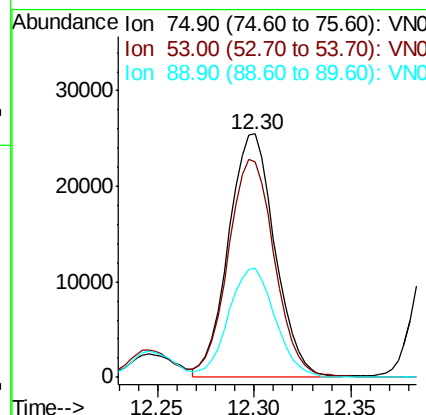
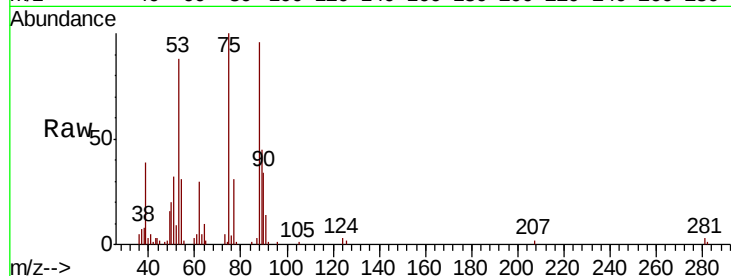
#81
trans-1,4-Dichloro-2-butene
Concen: 22.538 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	67.0	100.6
89	44.9	35.5	53.3

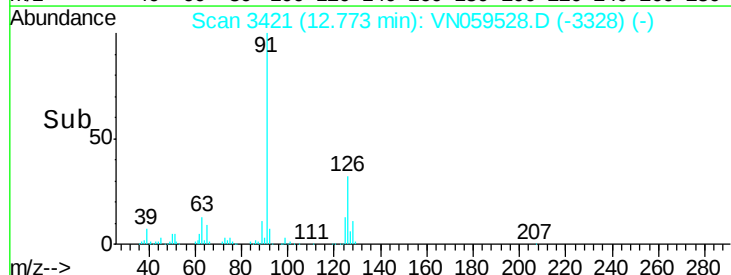
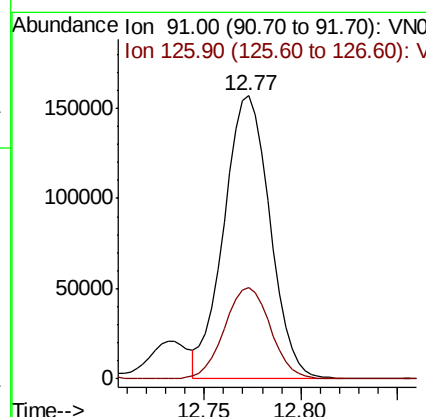
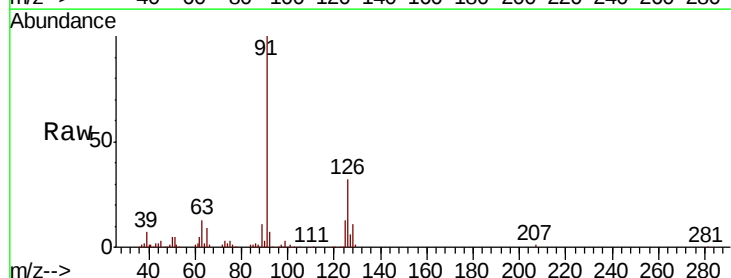
Manual Integrations
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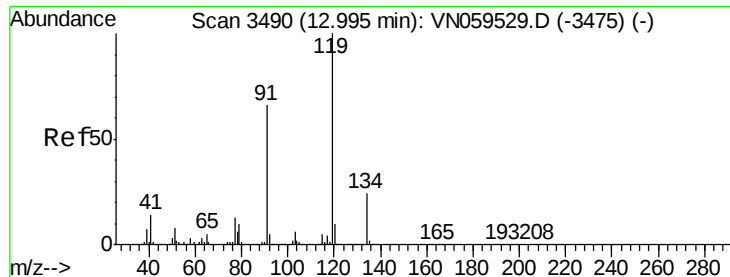
apatel
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#82
4-Chlorotoluene
Concen: 21.954 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4





#83

tert-Butylbenzene

Concen: 21.222 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

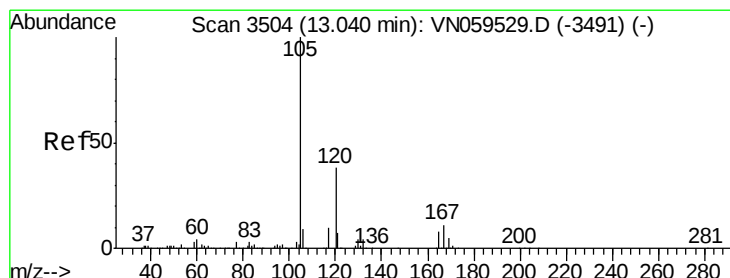
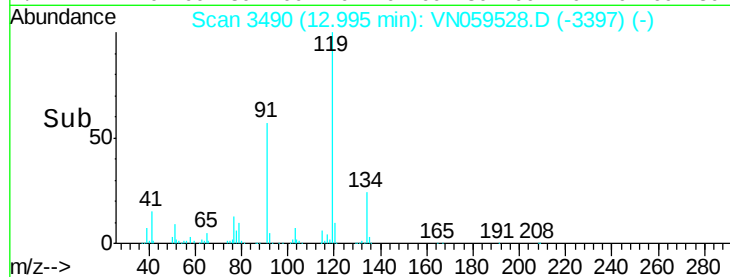
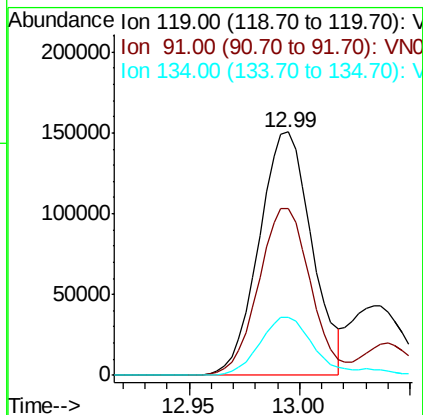
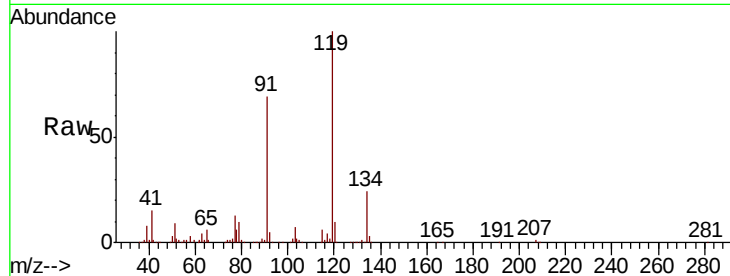
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	249239
Ion Ratio	Lower	Upper	
119	100		
91	67.5	32.8	98.4
134	24.0	12.8	38.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.654 ug/l

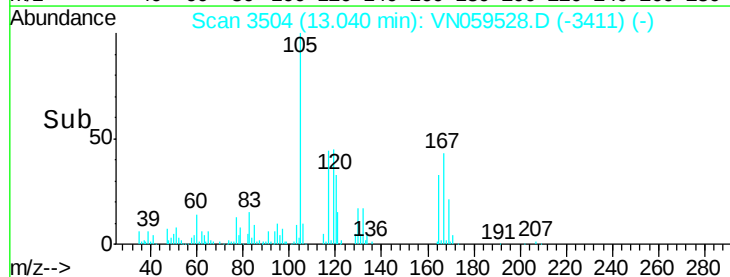
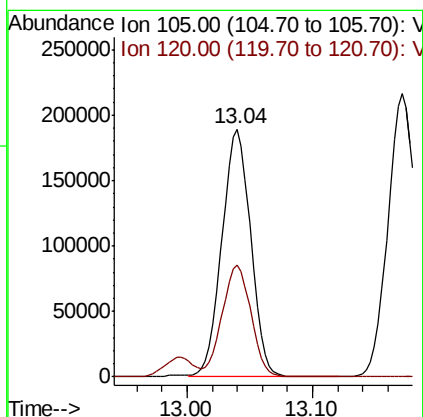
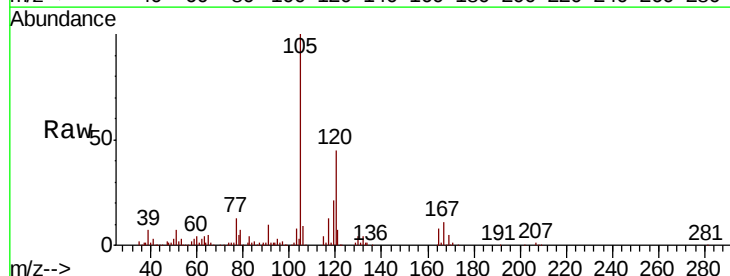
RT: 13.04 min Scan# 3504

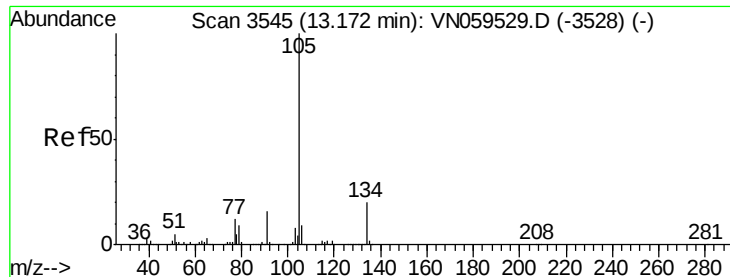
Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion:	105	Resp:	300614
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.8	68.3





#85

sec-Butylbenzene

Concen: 21.984 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 343139

Ion Ratio Lower Upper

105 100

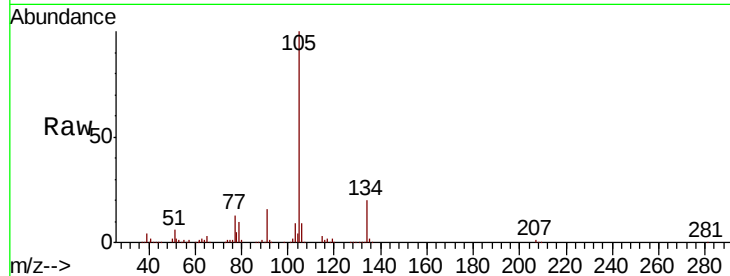
134 19.6 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

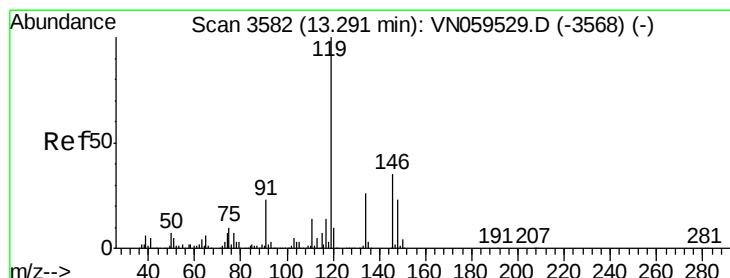
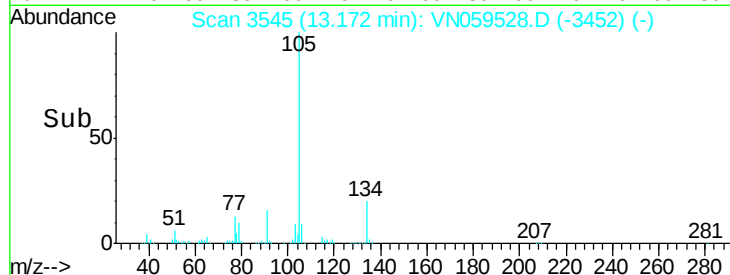
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 21.587 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

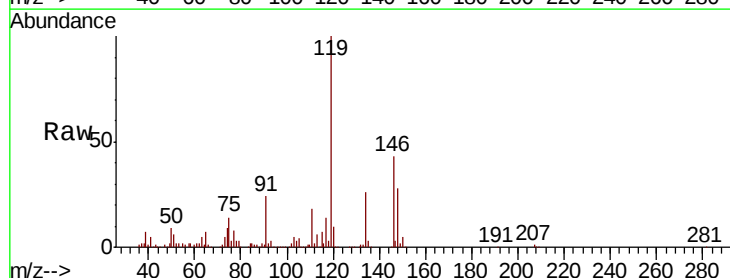
Tgt Ion:119 Resp: 302975

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 23.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

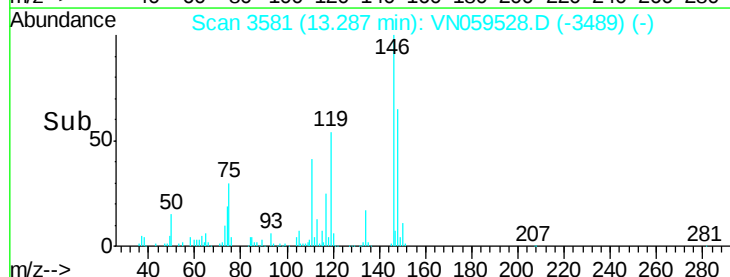
100000

50000

0

13.20 13.30 13.40

Time-->





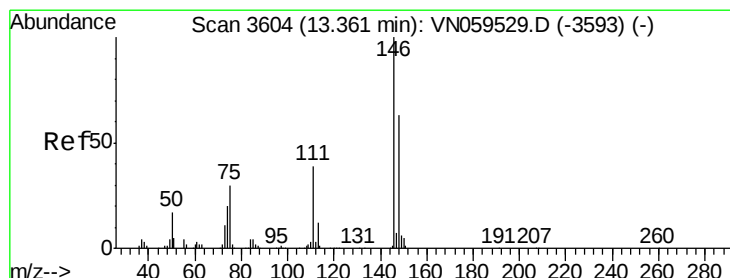
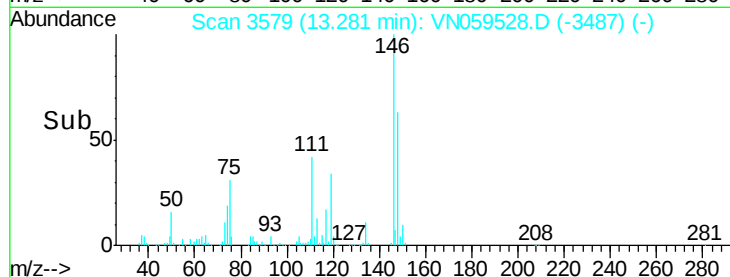
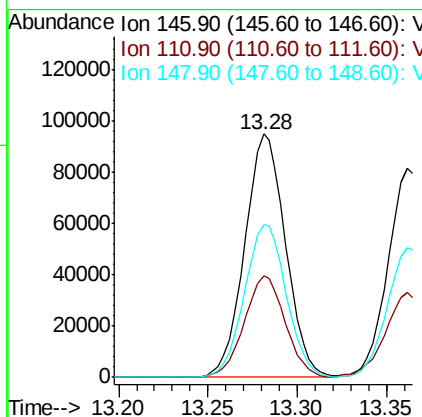
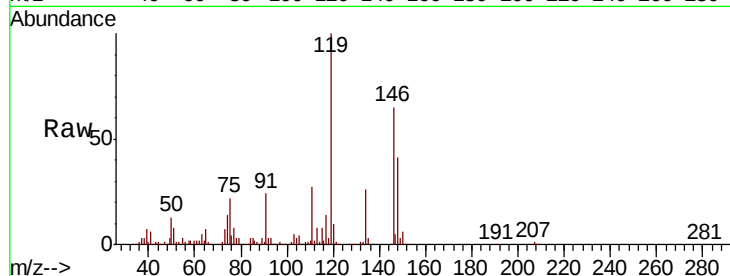
#87
 1,3-Dichlorobenzene
 Concen: 21.102 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	152177		
111	41.6	20.6	61.8	
148	64.4	32.0	96.0	

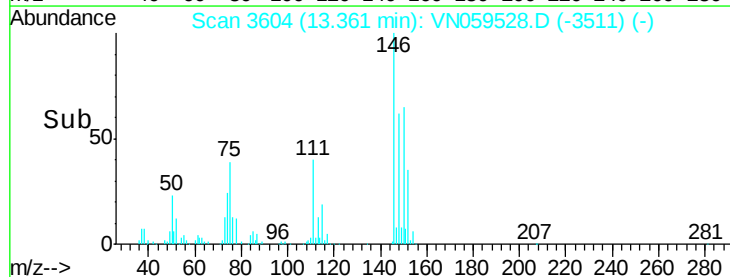
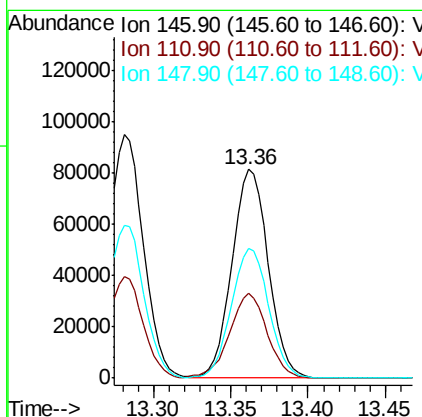
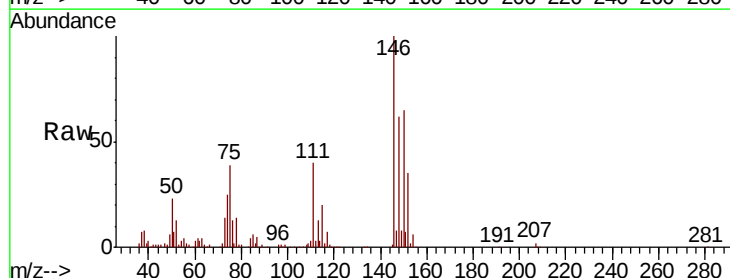
Manual Integrations
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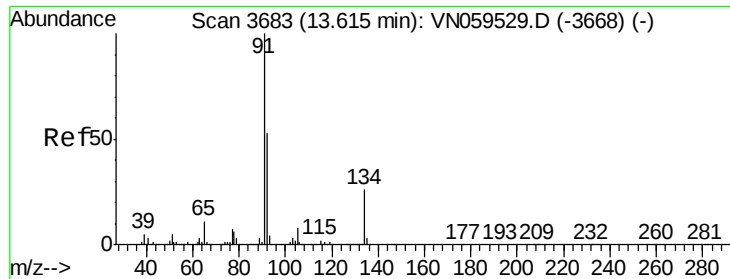
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 18.228 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	132723		
111	41.9	20.0	59.9	
148	64.0	31.9	95.7	





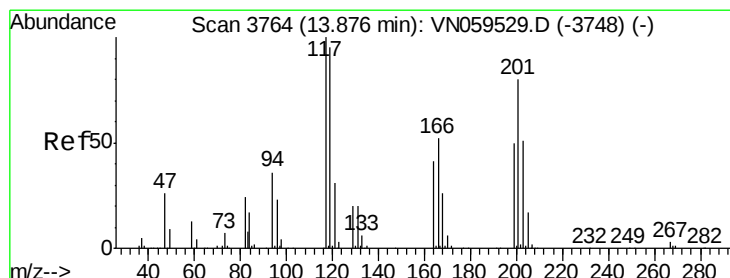
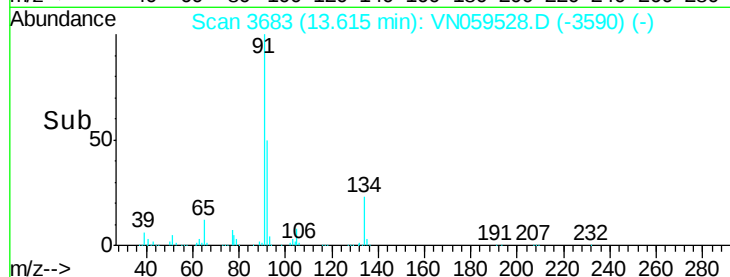
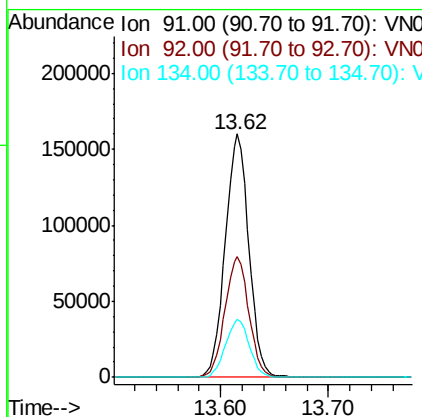
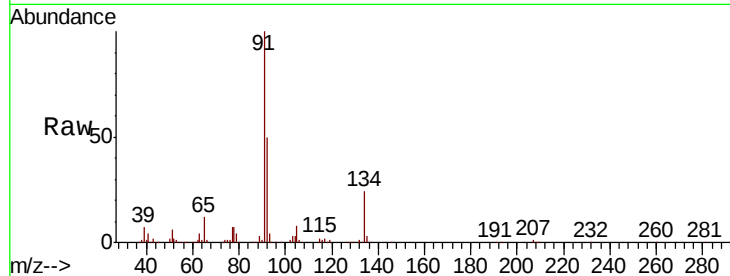
#89
n-Butylbenzene
Concen: 19.355 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.0	26.3	78.9
134	24.1	12.8	38.4

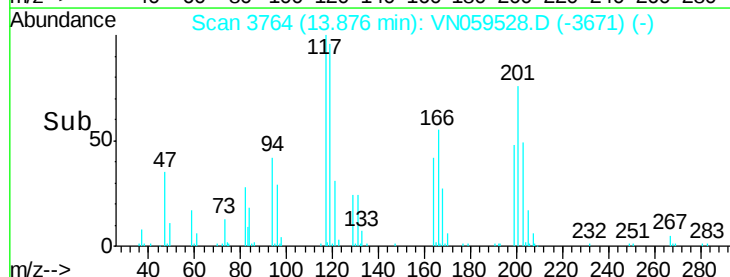
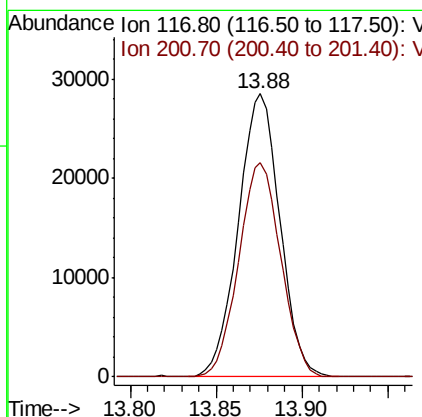
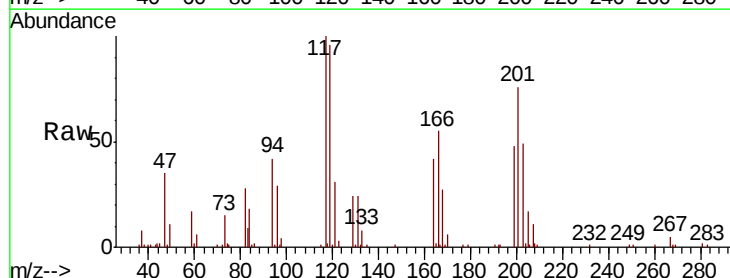
Manual Integrations
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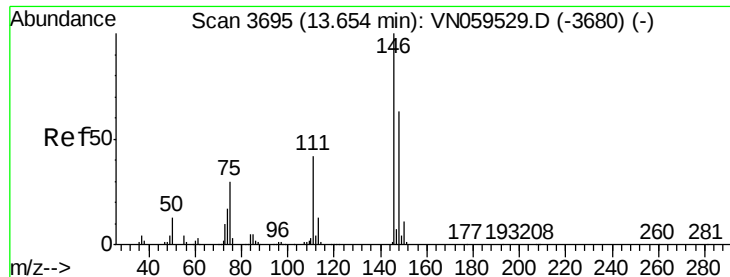
apatel
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#90
Hexachloroethane
Concen: 17.695 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	40.5	121.5





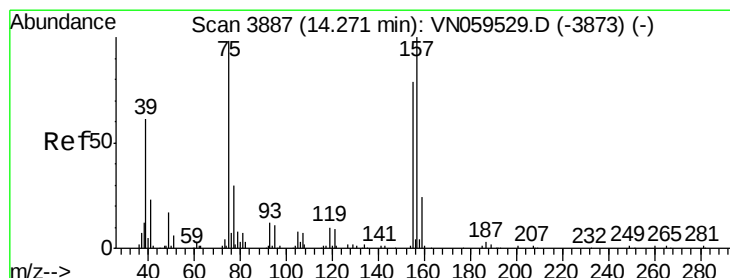
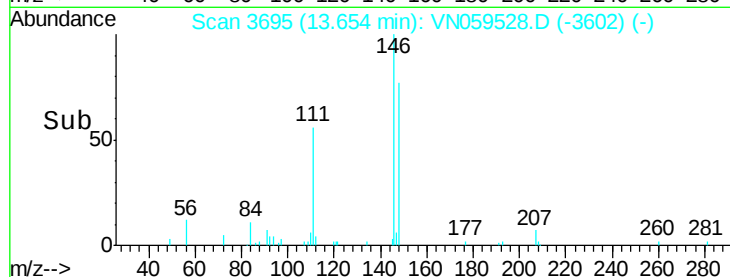
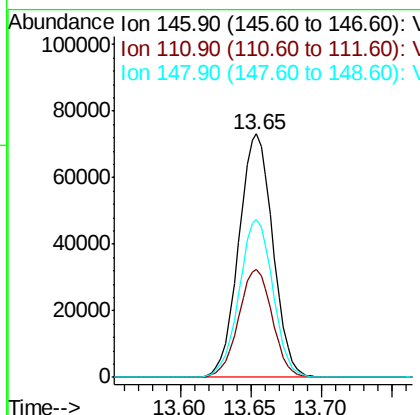
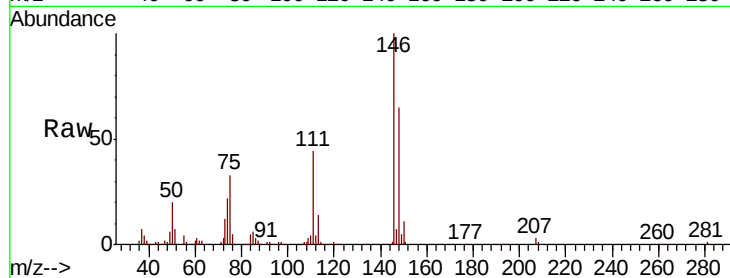
#91
 1,2-Dichlorobenzene
 Concen: 18.011 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.9	62.7
148	64.0	31.6	94.8

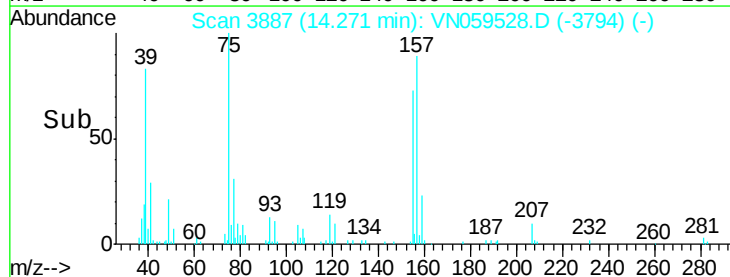
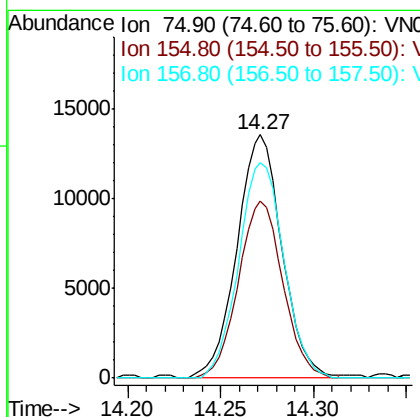
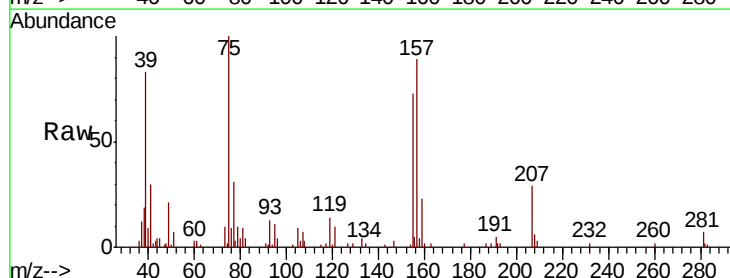
Manual Integrations
 APPROVED

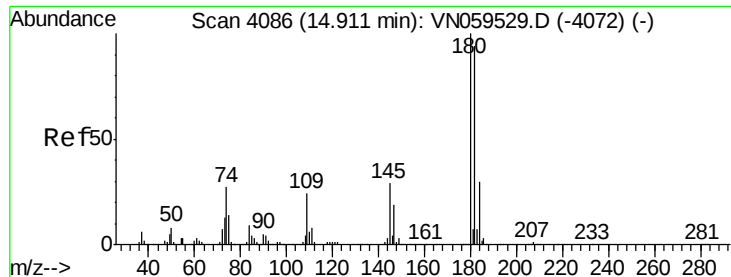
apatel
 12/10/2019 5:10:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.298 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059528.D
 Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	40.4	121.1
157	88.6	51.1	153.3





#93

1,2,4-Trichlorobenzene

Concen: 18.288 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Instrument :

MSVOA_N

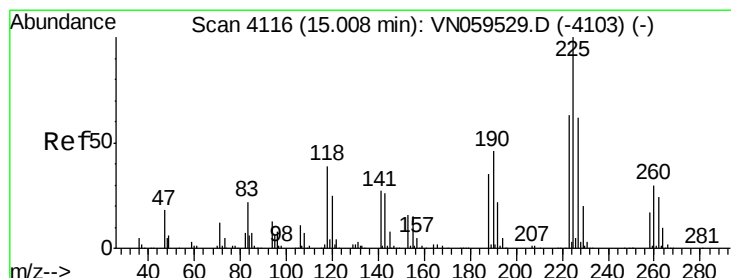
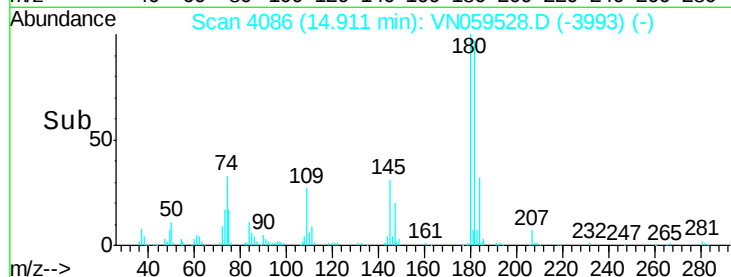
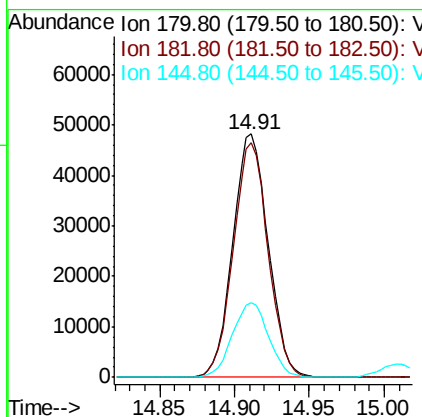
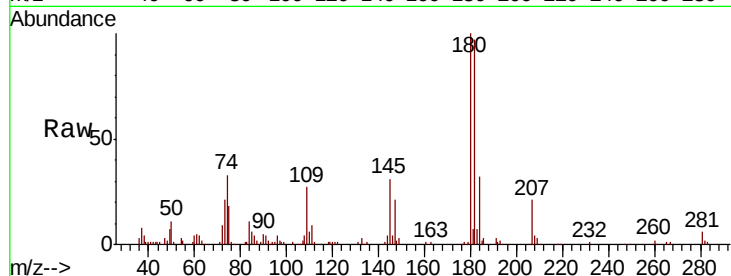
ClientSampleId :

VSTDIC020

Tot Ion:	180	Resp:	79401
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.3	142.0
145	31.2	14.9	44.7

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 16.030 ug/l

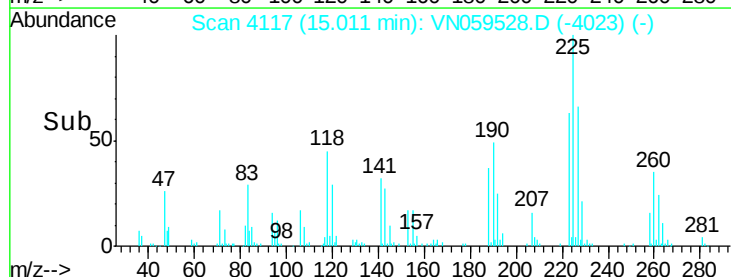
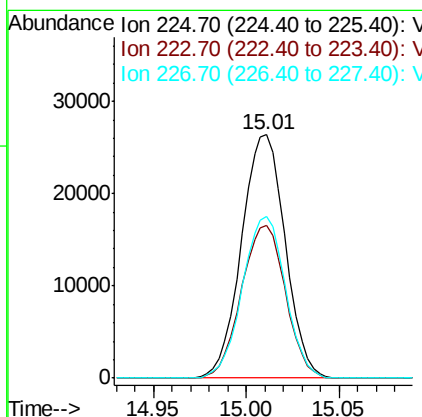
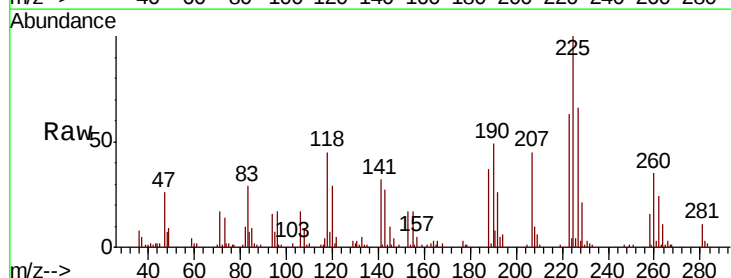
RT: 15.01 min Scan# 4117

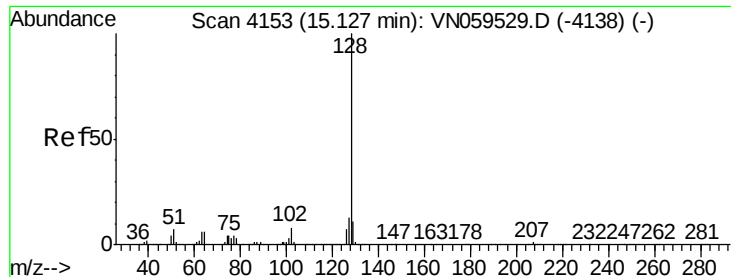
Delta R.T. 0.00 min

Lab File: VN059528.D

Acq: 9 Dec 2019 15:30

Tgt Ion:	225	Resp:	43328
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.3	93.9
227	65.3	31.6	95.0





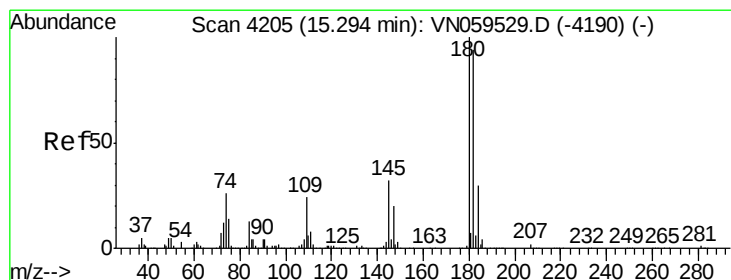
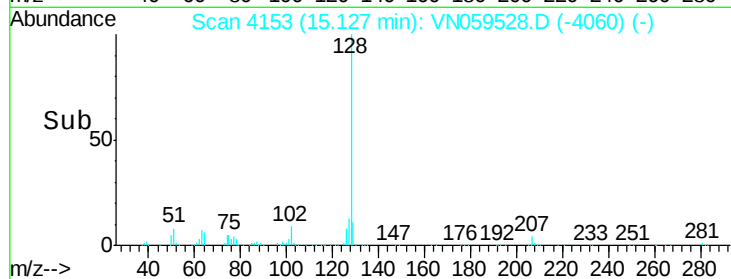
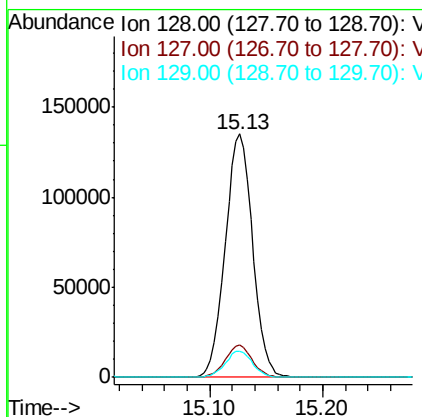
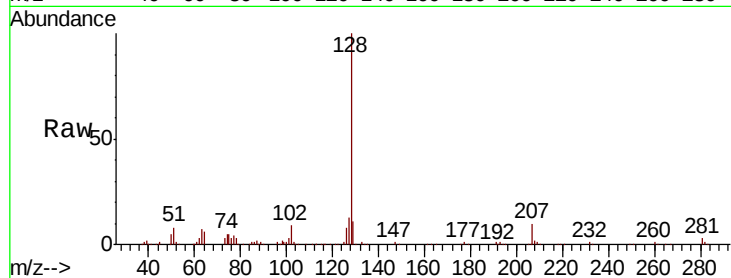
#95
Naphthalene
Concen: 17.861 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.758 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN059528.D
Acq: 9 Dec 2019 15:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.1	141.4
145	33.5	15.8	47.4

