

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062619\
 Data File : VN056505.D
 Acq On : 26 Jun 2019 14:47
 Operator : JC/SP
 Sample : VN0626WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/29/2019 7:22:51 AM

Quant Time: Jun 27 08:37:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	355720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	560804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	195435	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	169697	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.09	98	639678	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
62) 4-Bromofluorobenzene	12.40	95	204407	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	55093	18.291	ug/l	97
3) Chloromethane	2.06	50	73504	17.922	ug/l	100
4) Vinyl Chloride	2.18	62	74202	18.732	ug/l	99
5) Bromomethane	2.53	94	46261m	19.921	ug/l	
6) Chloroethane	2.68	64	43856	19.118	ug/l	98
7) Trichlorofluoromethane	3.00	101	99293	19.378	ug/l	100
8) Diethyl Ether	3.41	74	42476	19.587	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62265	19.055	ug/l	99
10) Methyl Iodide	3.94	142	80963	18.332	ug/l	99
11) Tert butyl alcohol	4.80	59	75821	114.186	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	58710	18.683	ug/l	97
13) Acrolein	3.61	56	34311	61.309	ug/l	96
14) Allyl chloride	4.32	41	100998	19.308	ug/l	99
15) Acrylonitrile	4.99	53	189796	103.319	ug/l	99
16) Acetone	3.82	43	163343	82.695	ug/l	97
17) Carbon Disulfide	4.05	76	113439	15.872	ug/l	100
18) Methyl Acetate	4.33	43	83245	21.015	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	209048	20.105	ug/l	99
20) Methylene Chloride	4.55	84	74106	19.356	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	63081	18.619	ug/l	98
22) Diisopropyl ether	5.95	45	221998	20.208	ug/l	97
23) Vinyl Acetate	5.90	43	893204	103.085	ug/l	100
24) 1,1-Dichloroethane	5.85	63	126138	20.003	ug/l	100
25) 2-Butanone	6.84	43	248400	95.018	ug/l	99
26) 2,2-Dichloropropane	6.82	77	80292	18.307	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	78733	19.863	ug/l	99
28) Bromochloromethane	7.19	49	57384	18.397	ug/l	97
29) Tetrahydrofuran	7.21	42	164879	103.206	ug/l	100
30) Chloroform	7.37	83	126691	20.360	ug/l	98
31) Cyclohexane	7.65	56	110756	18.193	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	99267	20.126	ug/l	99
36) 1,1-Dichloropropene	7.79	75	87994	17.827	ug/l	100
37) Ethyl Acetate	6.93	43	98117	20.227	ug/l	99
38) Carbon Tetrachloride	7.77	117	82125	19.026	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102414	16.815	ug/l	98
40) Benzene	8.04	78	286789	18.888	ug/l	100
41) Methacrylonitrile	7.19	41	52720m	24.612	ug/l	
42) 1,2-Dichloroethane	8.12	62	97255	19.409	ug/l	99
43) Isopropyl Acetate	8.17	43	148162	19.808	ug/l	100
44) Trichloroethene	8.83	130	75781	18.528	ug/l	99
45) 1,2-Dichloropropane	9.12	63	80415	19.804	ug/l	97
46) Dibromomethane	9.21	93	50552	19.899	ug/l	99
47) Bromodichloromethane	9.40	83	89455	19.854	ug/l	99
48) Methyl methacrylate	9.20	41	73926	19.722	ug/l	97
49) 1,4-Dioxane	9.20	88	30652	394.053	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	474989	98.386	ug/l	100
52) Toluene	10.16	92	173692	18.711	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	87106	18.530	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	105196	19.388	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	74155	19.874	ug/l	98
56) Ethyl methacrylate	10.43	69	105788	19.400	ug/l	99
57) 1,3-Dichloropropane	10.71	76	124074	19.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	148198	75.650	ug/l	99
59) 2-Hexanone	10.75	43	340975	96.096	ug/l	99
60) Dibromochloromethane	10.90	129	68034	19.276	ug/l	99
61) 1,2-Dibromoethane	11.00	107	75744	19.876	ug/l	100
64) Tetrachloroethene	10.63	164	75709	19.696	ug/l	97
65) Chlorobenzene	11.43	112	186707	19.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	67108	20.358	ug/l	98
67) Ethyl Benzene	11.51	91	322407	18.826	ug/l	99
68) m/p-Xylenes	11.62	106	236746	37.722	ug/l	98
69) o-Xylene	11.95	106	120270	19.370	ug/l	97
70) Styrene	11.96	104	190665	19.211	ug/l	99
71) Bromoform	12.13	173	44721	18.902	ug/l #	99
73) Isopropylbenzene	12.25	105	315795	22.394	ug/l	99
74) N-amyl acetate	12.07	43	116261	20.746	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	103056	23.544	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	87940m	24.086	ug/l	
77) Bromobenzene	12.52	156	81390	20.672	ug/l	97
78) n-propylbenzene	12.59	91	319272	19.800	ug/l	100
79) 2-Chlorotoluene	12.67	91	204980	21.754	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	251220	21.377	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20710	20.160	ug/l	94
82) 4-Chlorotoluene	12.77	91	185131	19.445	ug/l	98
83) tert-Butylbenzene	12.99	119	229102	22.191	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	232880	19.646	ug/l	100
85) sec-Butylbenzene	13.17	105	283632	20.013	ug/l	100
86) p-Isopropyltoluene	13.29	119	235166	19.334	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	114995	19.273	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	108289	18.740	ug/l	99
89) n-Butylbenzene	13.61	91	153809	16.704	ug/l	100
90) Hexachloroethane	13.87	117	39797	20.987	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	118707	20.053	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13043	20.019	ug/l	98

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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34131	15.443	ug/l	98
94) Hexachlorobutadiene	15.01	225	43288	20.469	ug/l	99
95) Naphthalene	15.13	128	98591	16.198	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	40842	16.121	ug/l	99

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

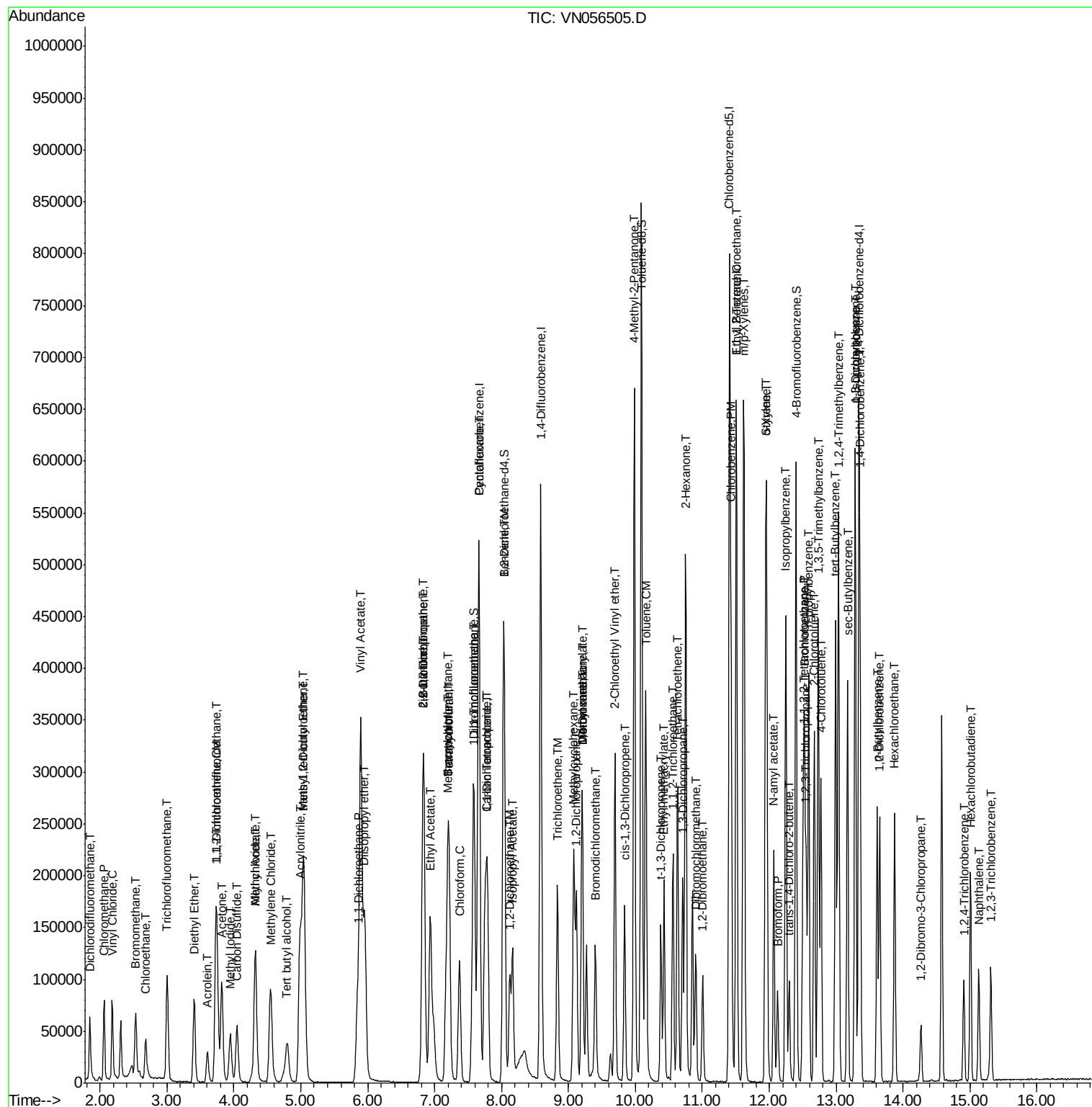
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Data File : VN056505.D
Acq On : 26 Jun 2019 14:47
Operator : JC/SP
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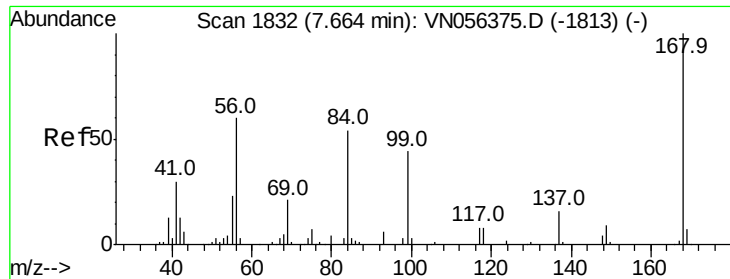
Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion:168 Resp: 355720

Ion Ratio Lower Upper

168 100

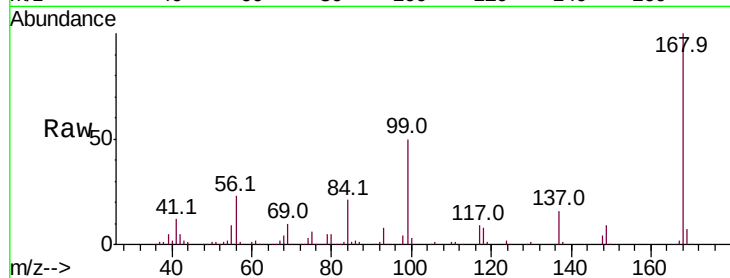
99 49.7 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN056375.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN056375.D (-1813) (-)

7.66

150000

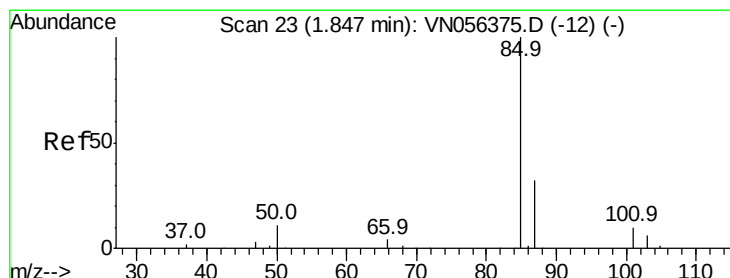
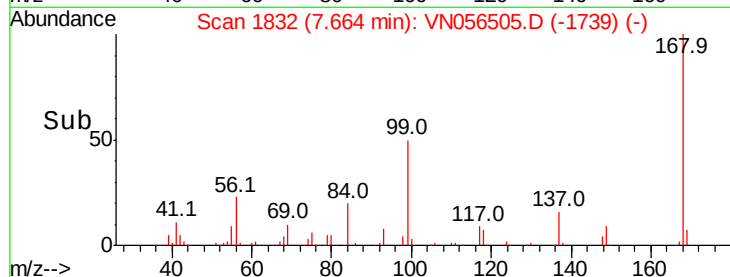
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.291 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056505.D

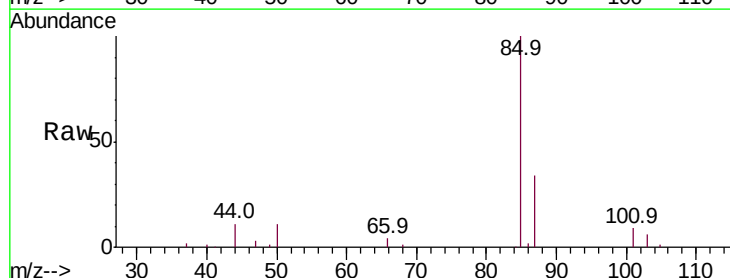
Acq: 26 Jun 2019 14:47

Tgt Ion: 85 Resp: 55093

Ion Ratio Lower Upper

85 100

87 33.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056375.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056375.D (-12) (-)

1.85

40000

30000

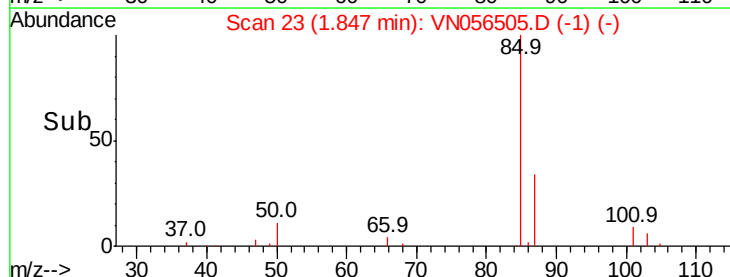
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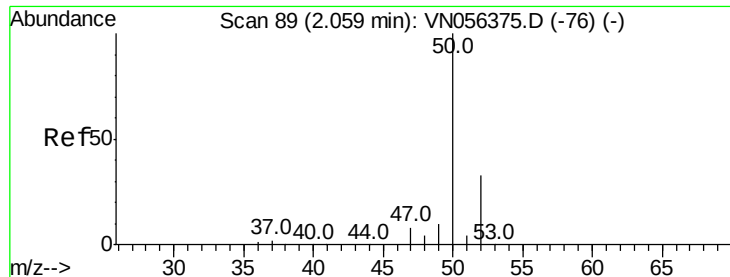
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.922 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

VN0626WBSD01

Tot Ion: 50 Resp: 73504

Ion Ratio Lower Upper

50 100

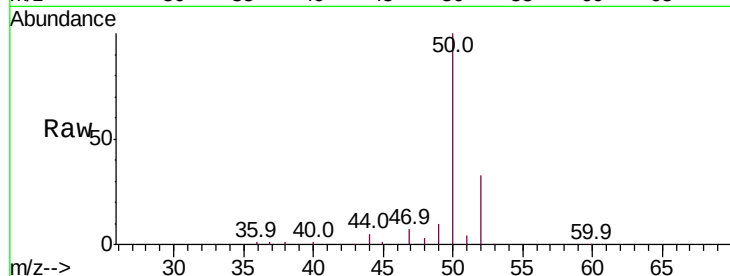
52 32.9 26.5 39.7

Manual Integrations

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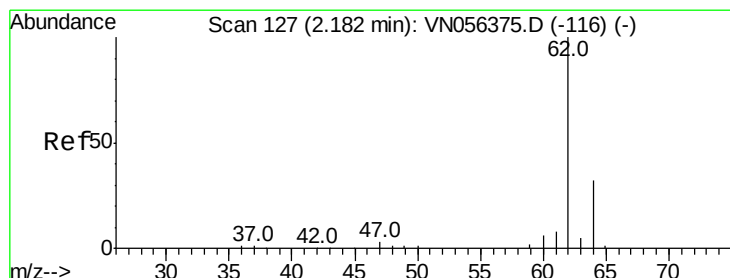
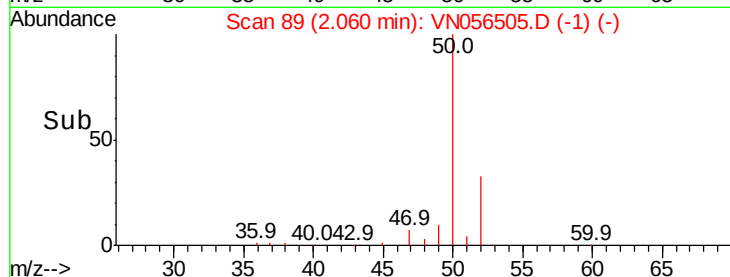
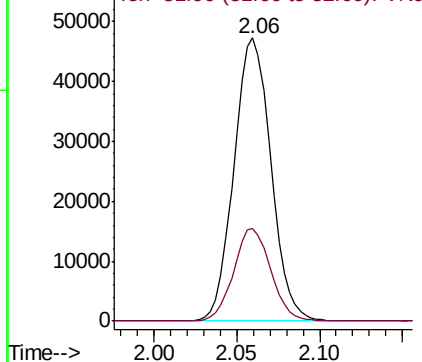
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.732 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056505.D

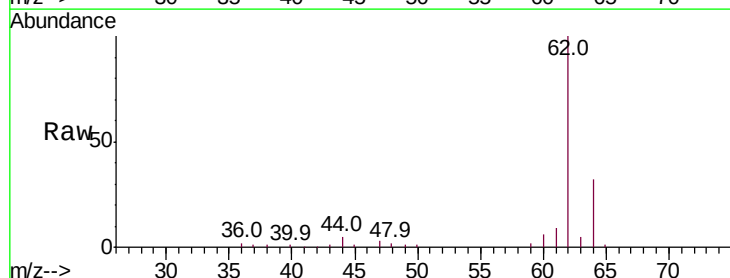
Acq: 26 Jun 2019 14:47

Tgt Ion: 62 Resp: 74202

Ion Ratio Lower Upper

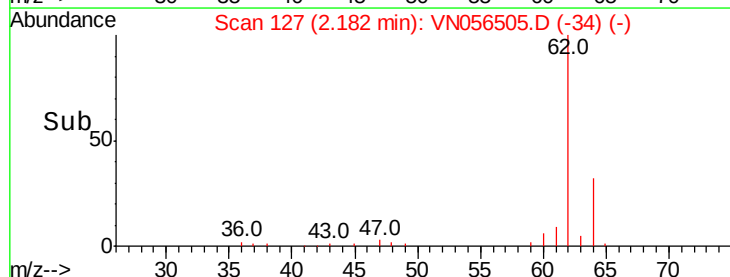
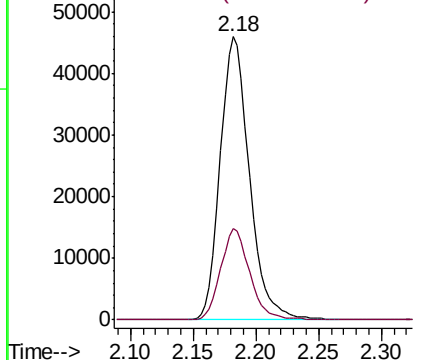
62 100

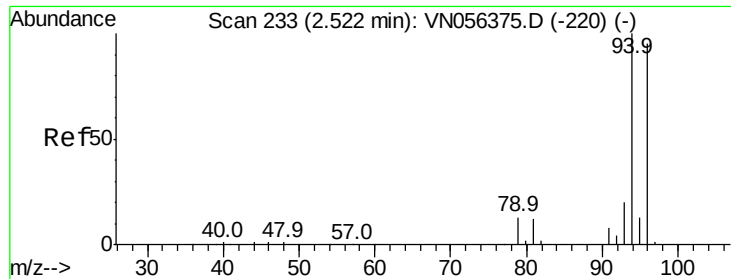
64 32.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





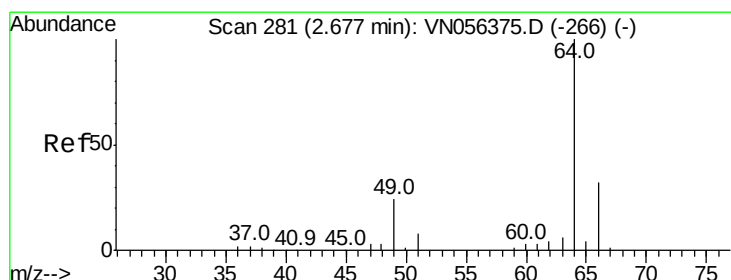
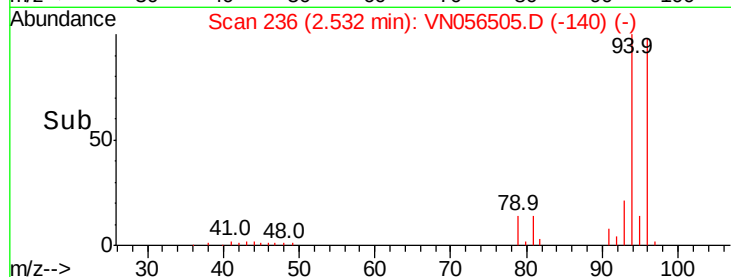
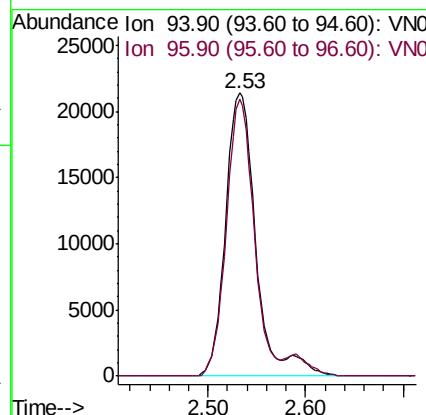
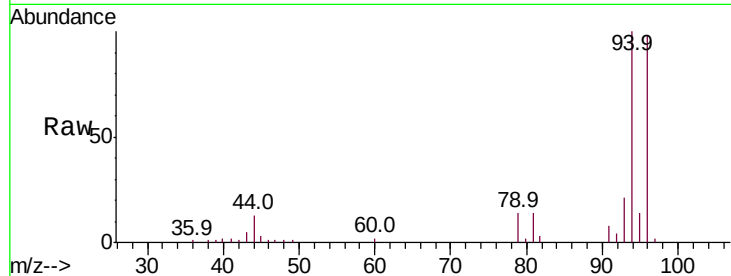
#5
Bromomethane
Concen: 19.921 ug/l m
RT: 2.53 min Scan# 236
Delta R.T. 0.01 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 46261
Ion Ratio Lower Upper
94 100
96 98.1 76.0 114.0

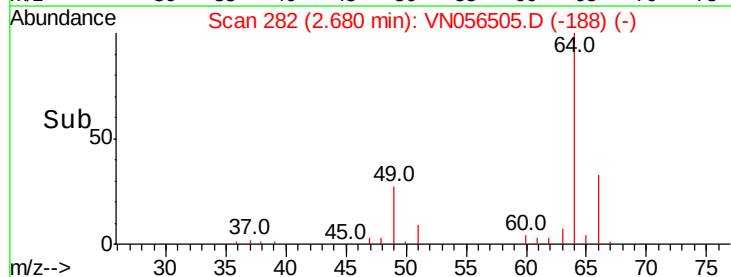
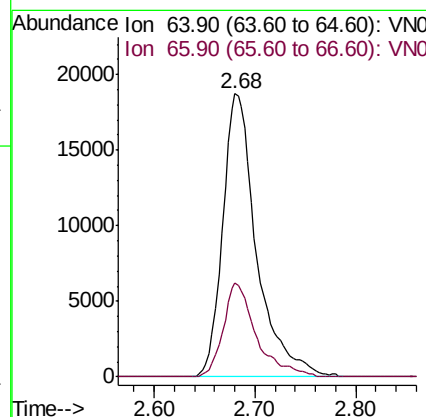
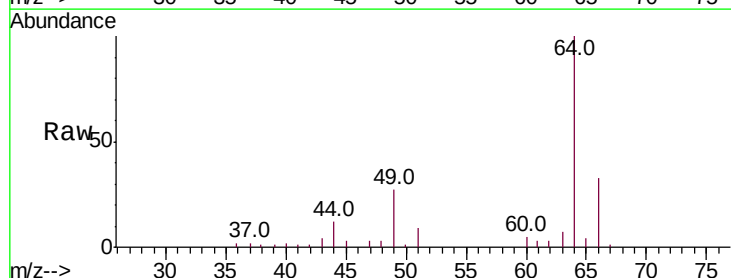
Manual Integrations
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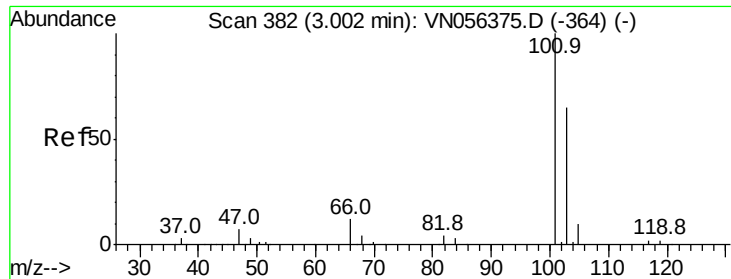
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#6
Chloroethane
Concen: 19.118 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 64 Resp: 43856
Ion Ratio Lower Upper
64 100
66 33.2 25.8 38.8





#7

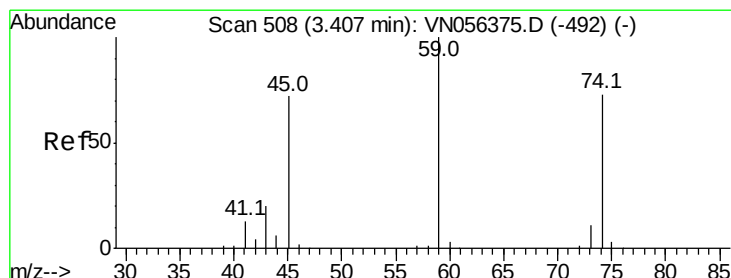
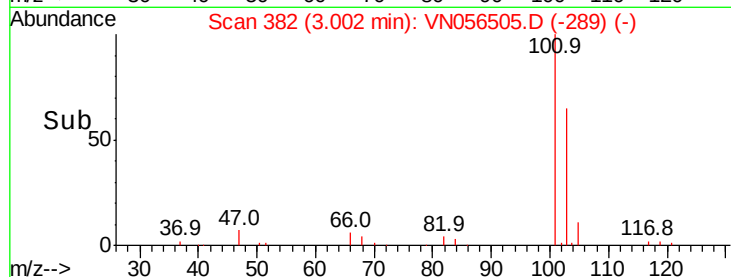
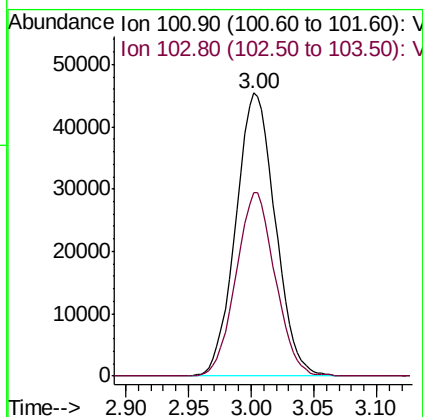
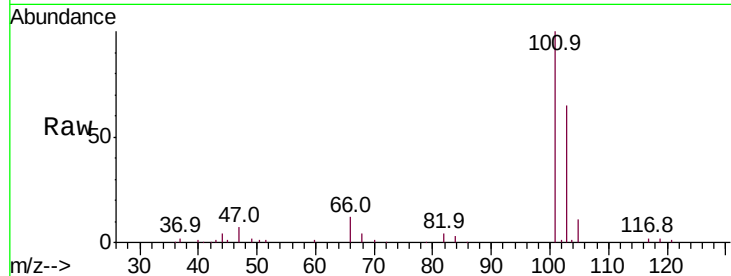
Trichlorofluoromethane
Concen: 19.378 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampled :
VN0626WBSD01

Tot Ion:101 Resp: 99293
Ion Ratio Lower Upper
101 100
103 64.7 51.7 77.5

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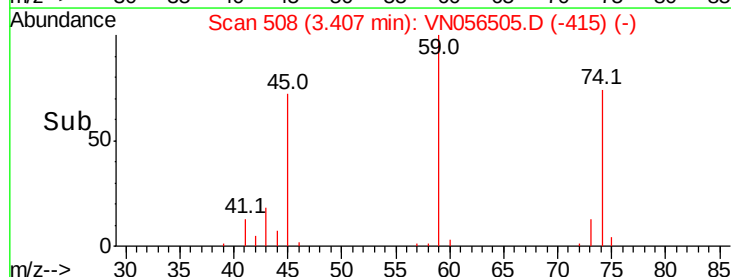
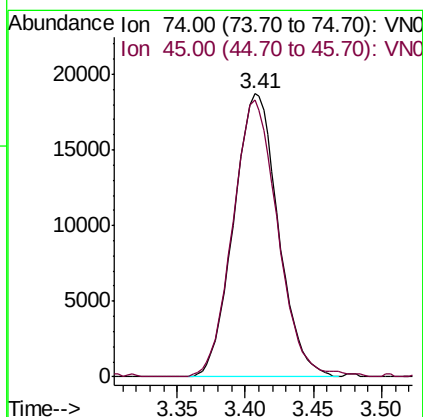
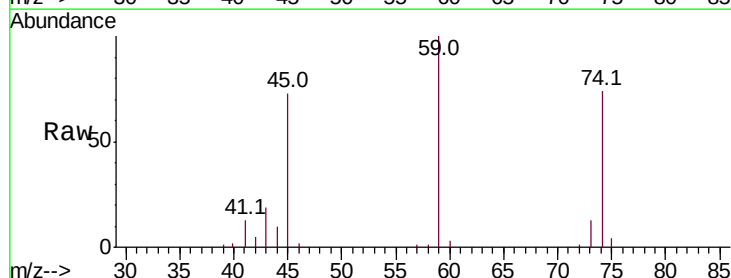
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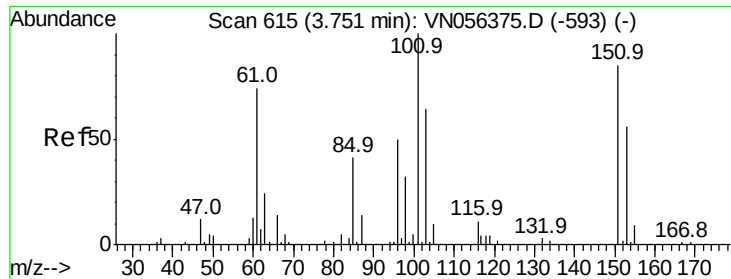


#8

Diethyl Ether
Concen: 19.587 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 74 Resp: 42476
Ion Ratio Lower Upper
74 100
45 98.1 48.9 146.6





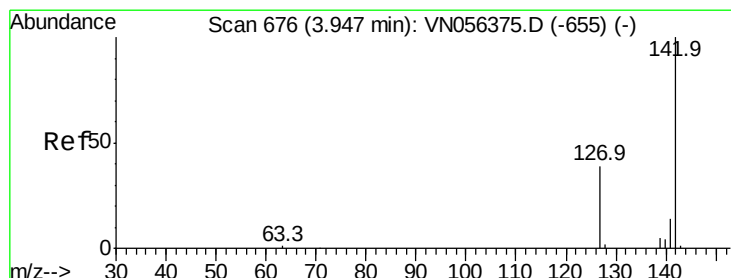
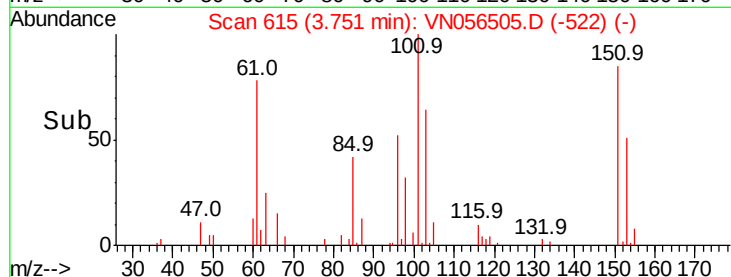
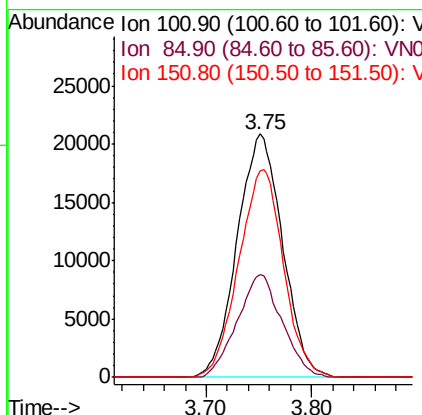
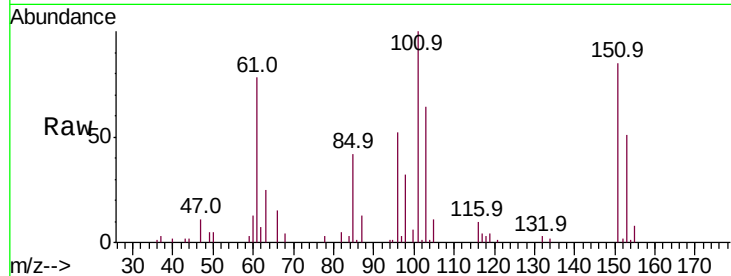
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.055 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.9	32.7	49.1
151	84.2	66.8	100.2

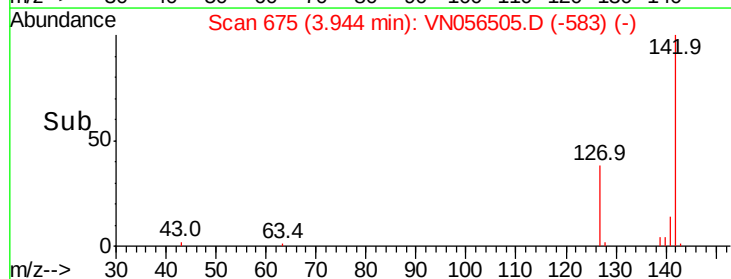
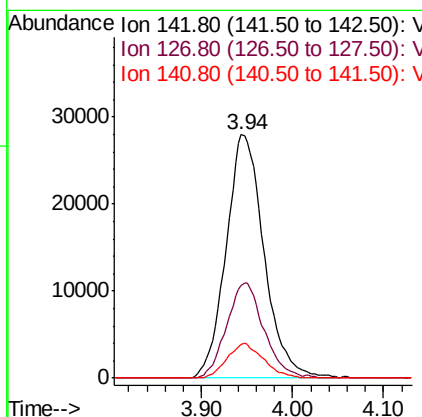
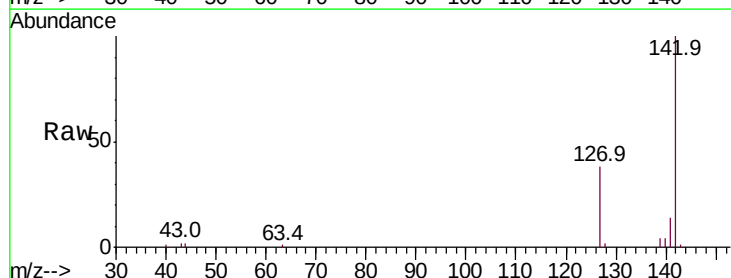
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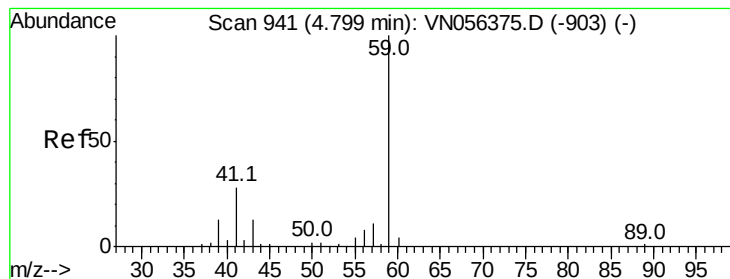
MMDadoda
 6/29/2019 7:22:51 AM



#10
 Methyl Iodide
 Concen: 18.332 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.4	30.6	46.0
141	13.6	11.4	17.2





#11

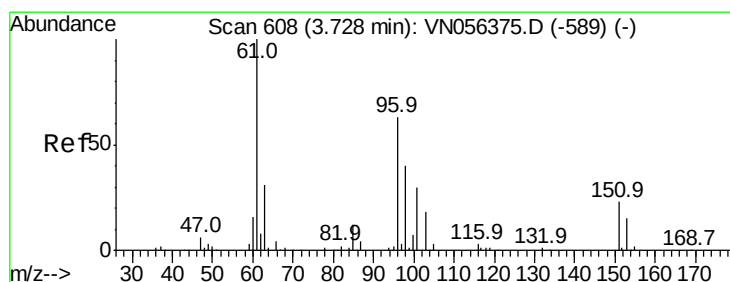
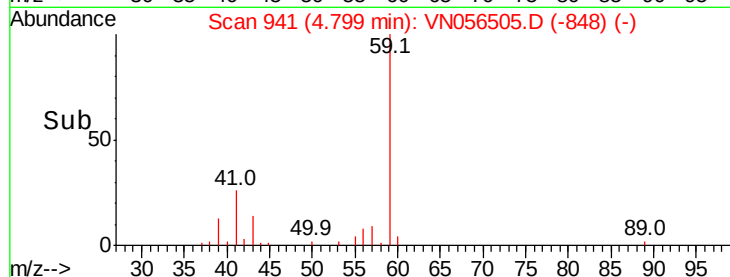
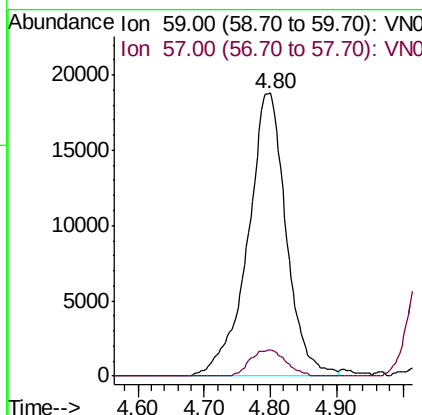
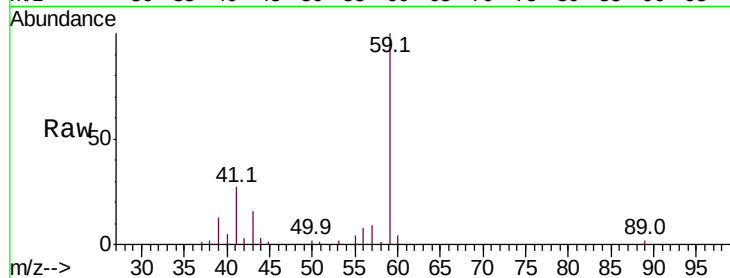
Tert butyl alcohol
Concen: 114.186 ug/l
RT: 4.80 min Scan# 941
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion: 59 Resp: 75821
Ion Ratio Lower Upper
59 100
57 3.6 7.6 11.4#

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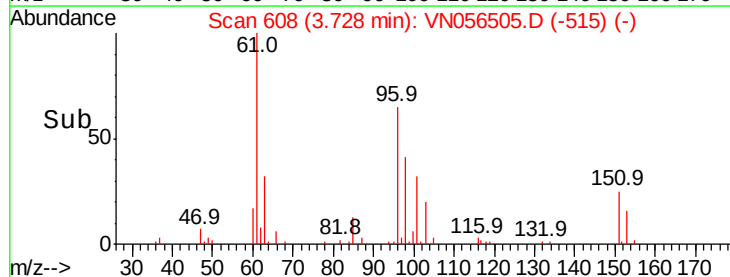
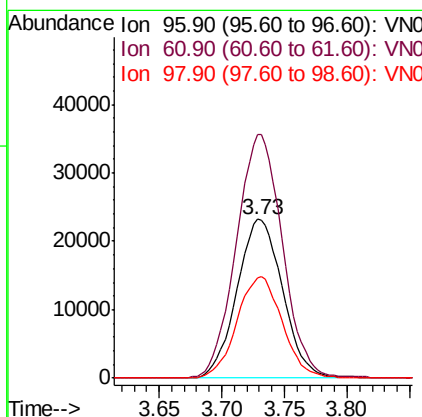
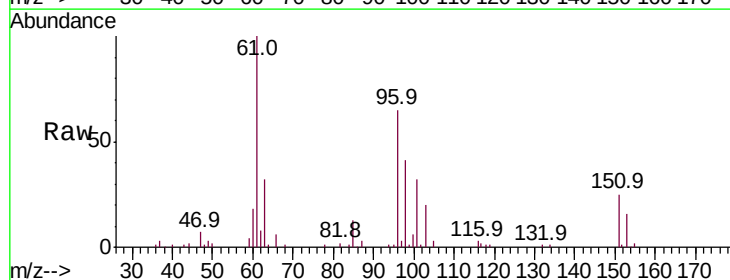
MMDadoda
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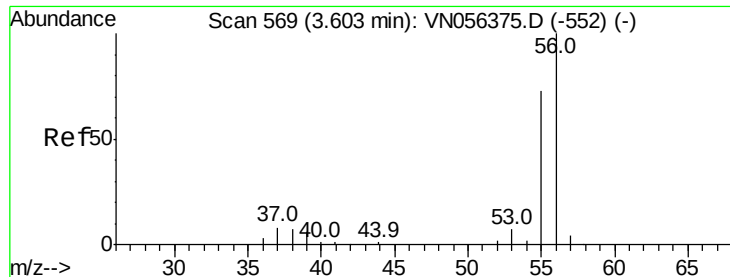


#12

1,1-Dichloroethene
Concen: 18.683 ug/l
RT: 3.73 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 96 Resp: 58710
Ion Ratio Lower Upper
96 100
61 153.4 126.6 190.0
98 62.8 51.1 76.7





#13

Acrolein

Concen: 61.309 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 56 Resp: 34311

Ion Ratio Lower Upper

56 100

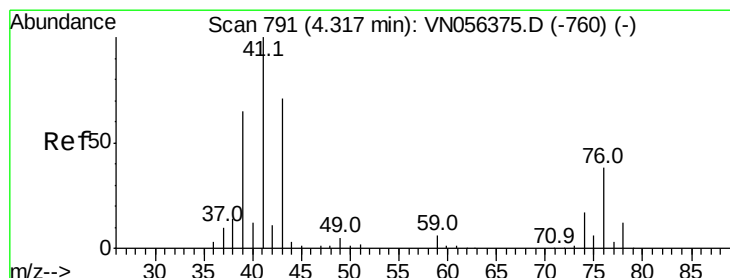
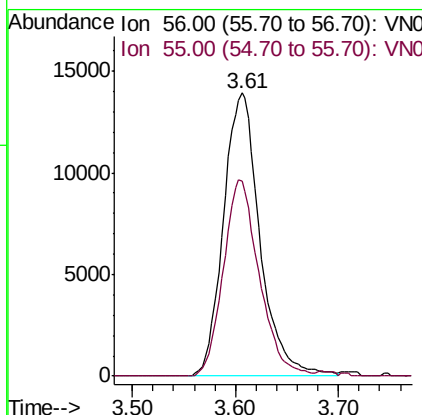
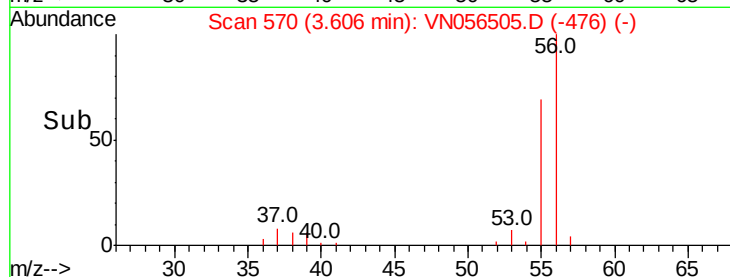
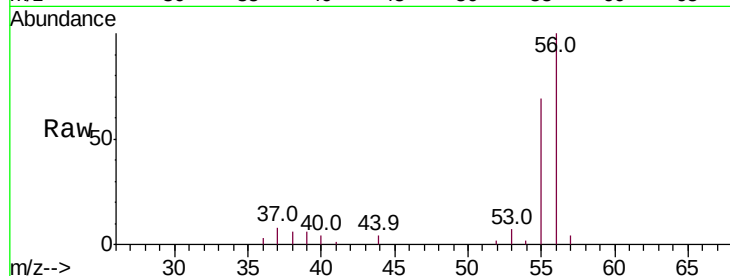
55 68.3 57.1 85.7

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#14

Allyl chloride

Concen: 19.308 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

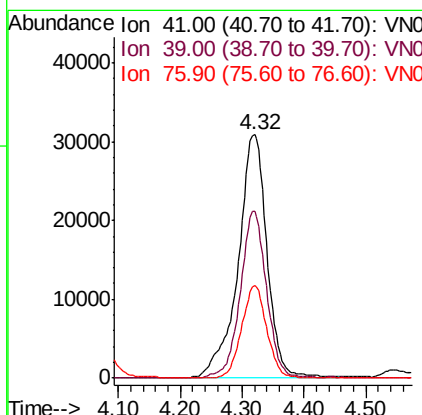
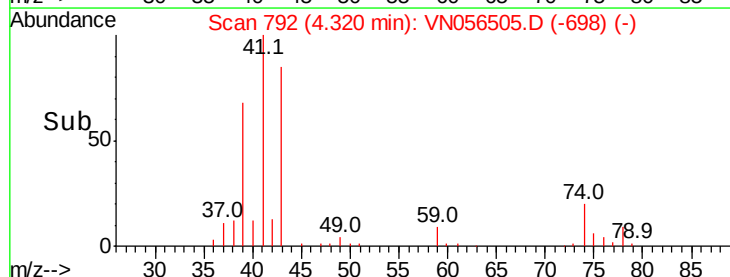
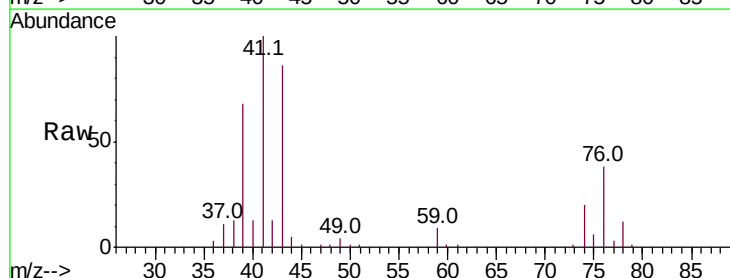
Tgt Ion: 41 Resp: 100998

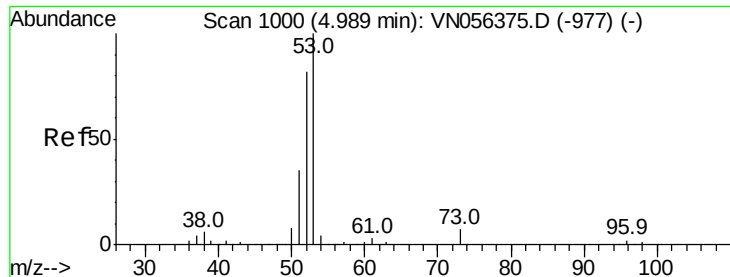
Ion Ratio Lower Upper

41 100

39 61.6 48.6 73.0

76 32.6 26.6 40.0





#15

Acrylonitrile

Concen: 103.319 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

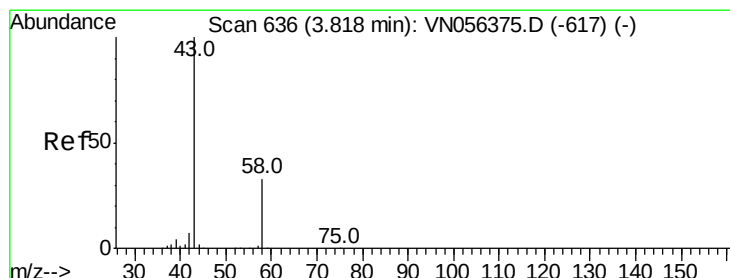
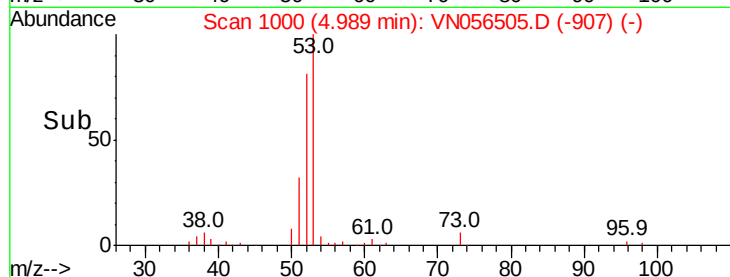
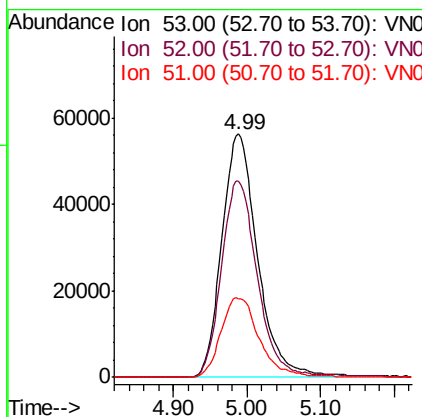
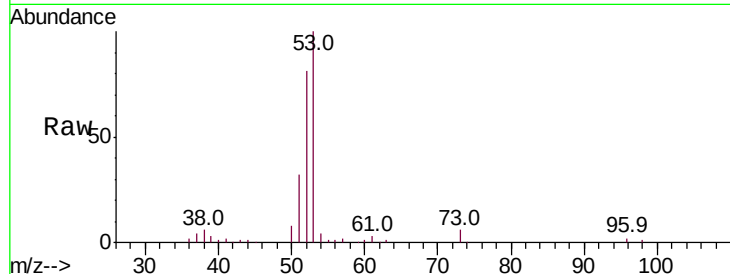
ClientSampleId :

VN0626WBSD01

Tot Ion:	53	Resp:	189796
Ion Ratio		Lower	Upper
53	100		
52	80.9	65.9	98.9
51	34.8	28.3	42.5

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#16

Acetone

Concen: 82.695 ug/l

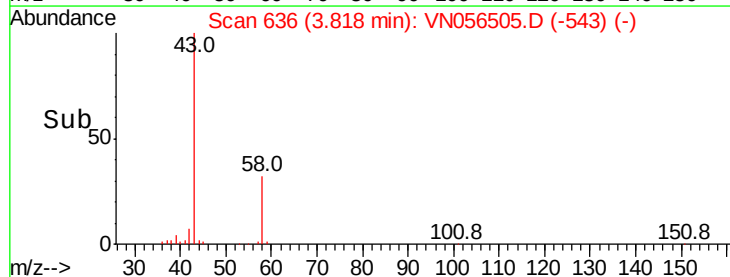
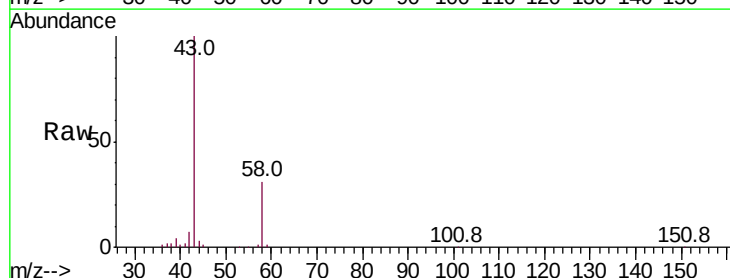
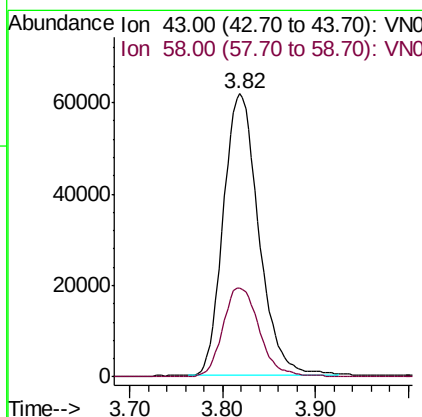
RT: 3.82 min Scan# 636

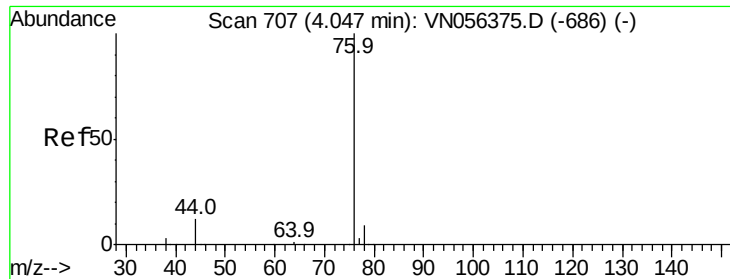
Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Tgt Ion:	43	Resp:	163343
Ion Ratio		Lower	Upper
43	100		
58	31.6	26.4	39.6





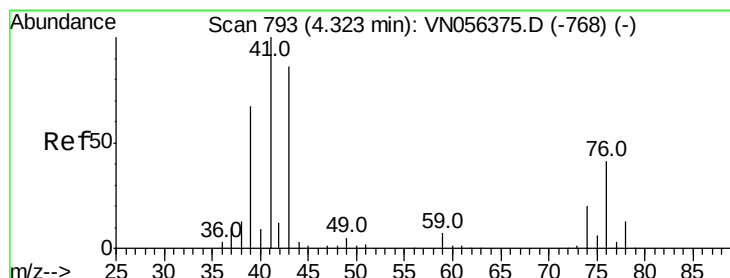
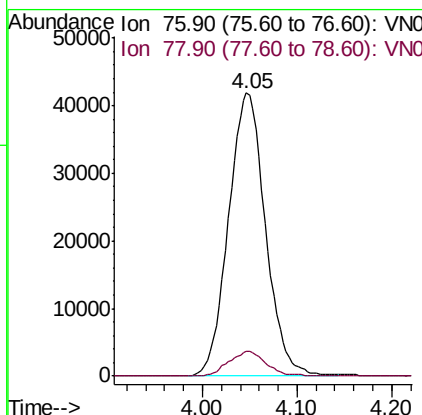
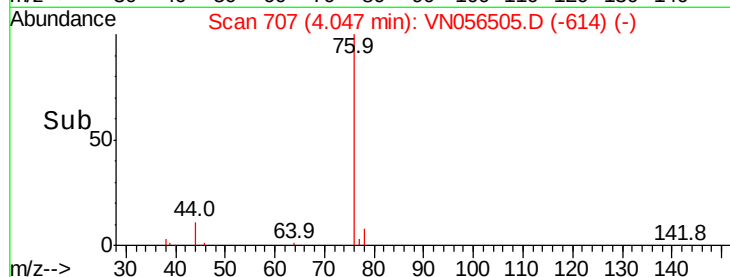
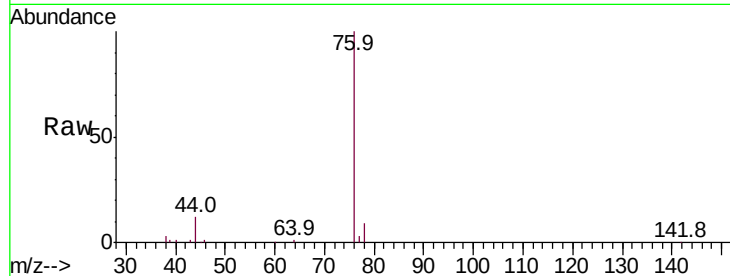
#17
Carbon Disulfide
Concen: 15.872 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion: 76 Resp: 113439
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

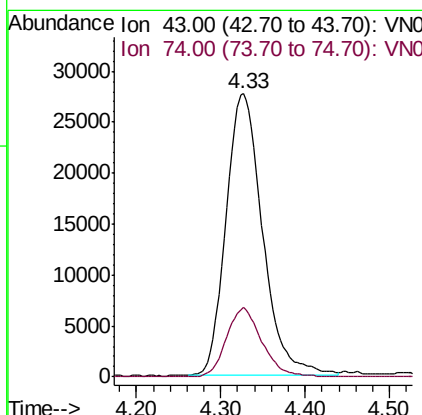
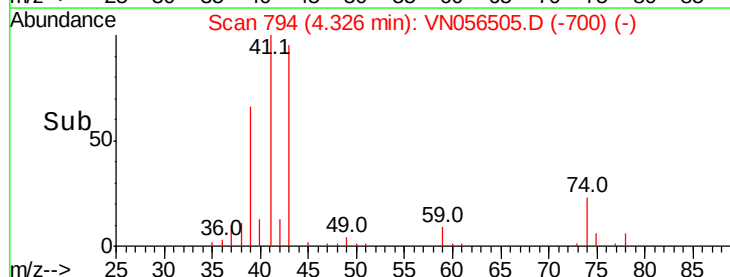
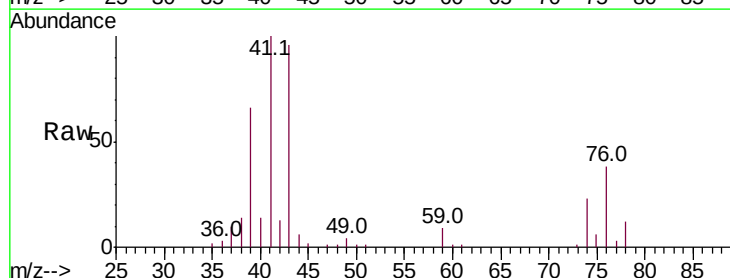
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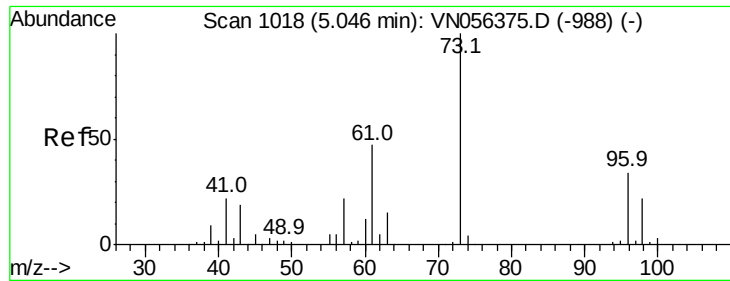
MMDadoda
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#18
Methyl Acetate
Concen: 21.015 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 43 Resp: 83245
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8





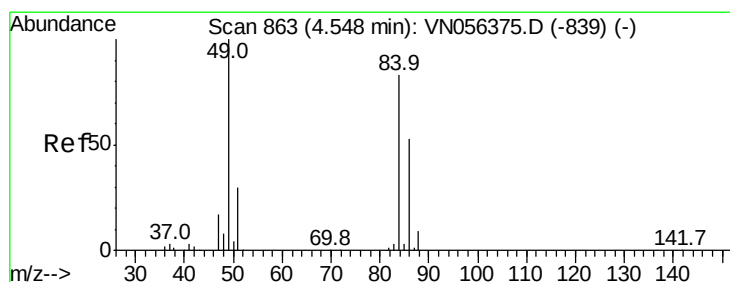
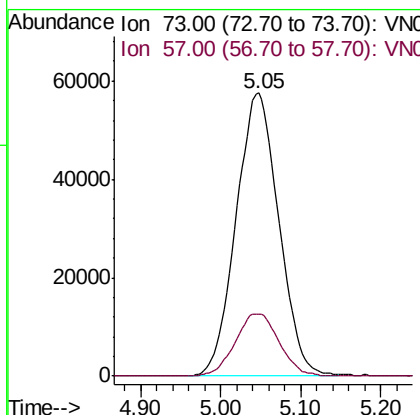
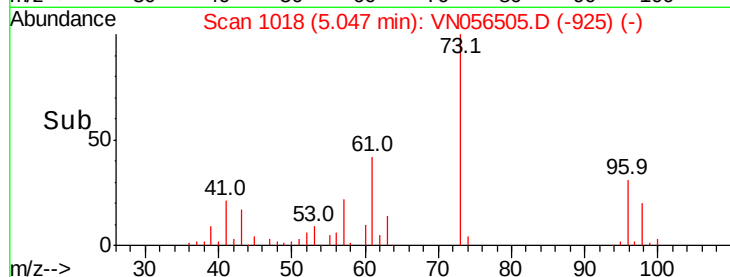
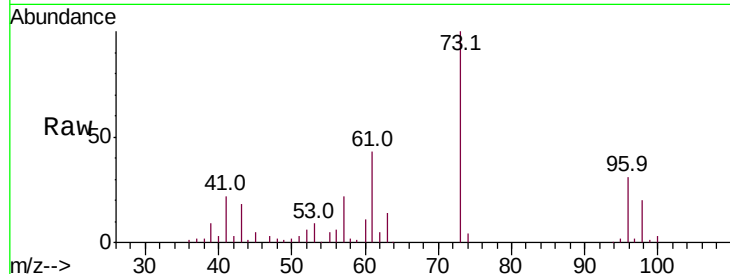
#19
Methvl tert-butvl Ether
Concen: 20.105 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion: 73 Resp: 209048
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9

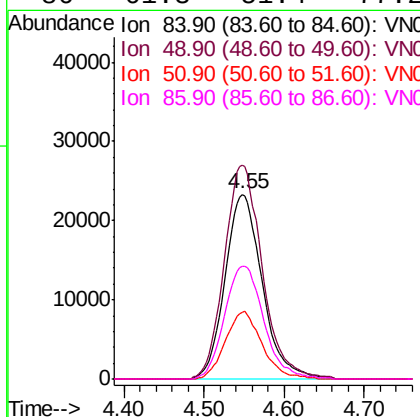
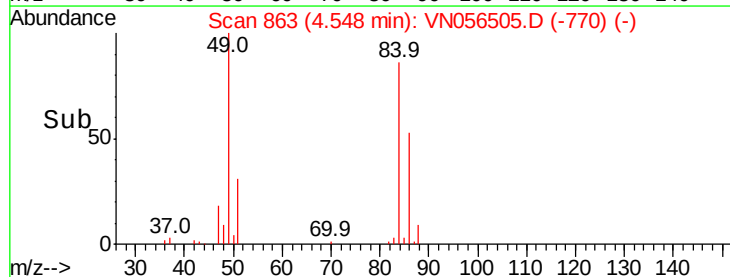
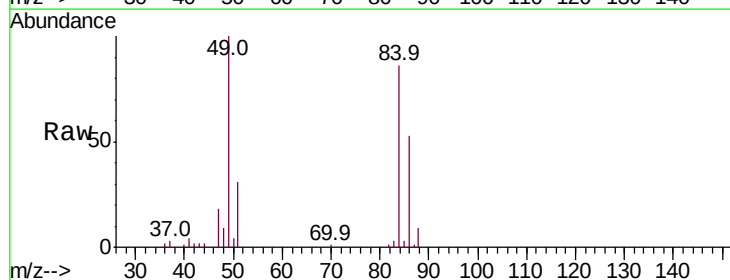
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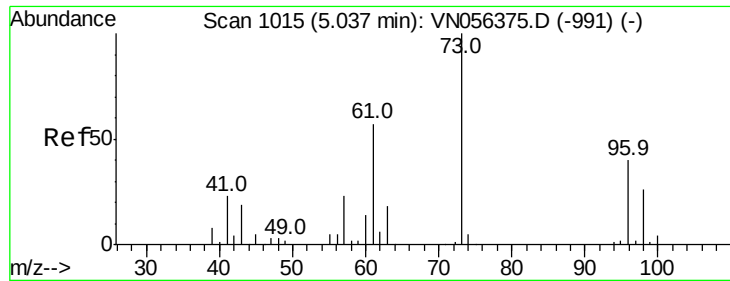
MMDadoda
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#20
Methylene Chloride
Concen: 19.356 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 84 Resp: 74106
Ion Ratio Lower Upper
84 100
49 115.7 96.4 144.6
51 36.2 28.6 43.0
86 61.3 51.4 77.2





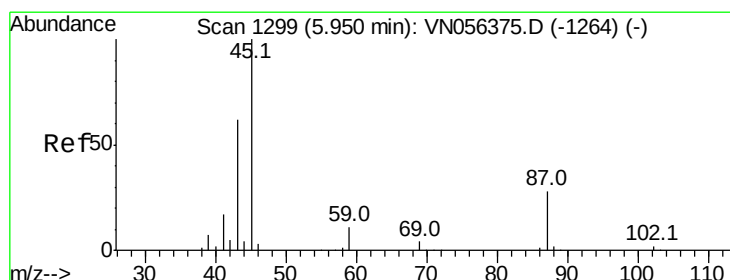
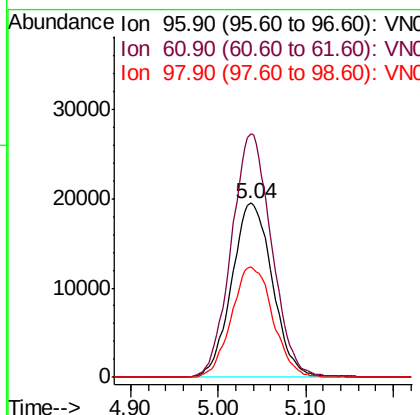
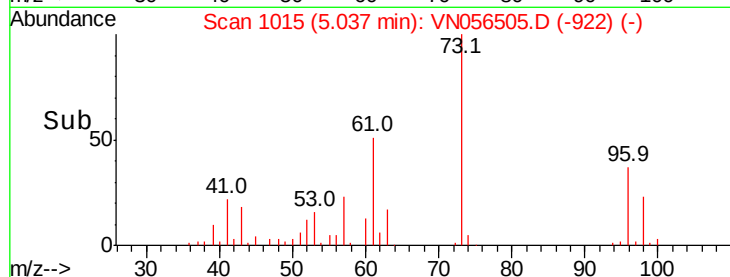
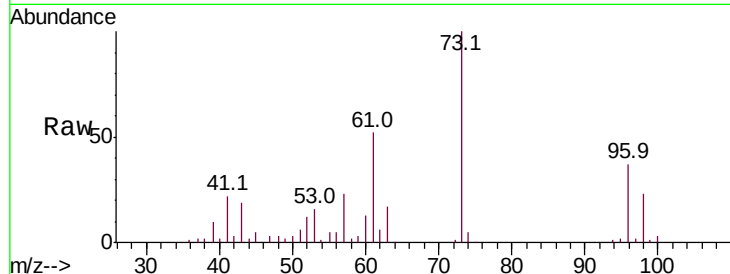
#21
trans-1,2-Dichloroethene
Concen: 18.619 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	113.0	169.6
98	63.3	52.2	78.2

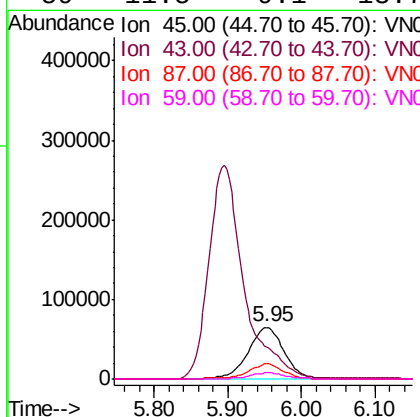
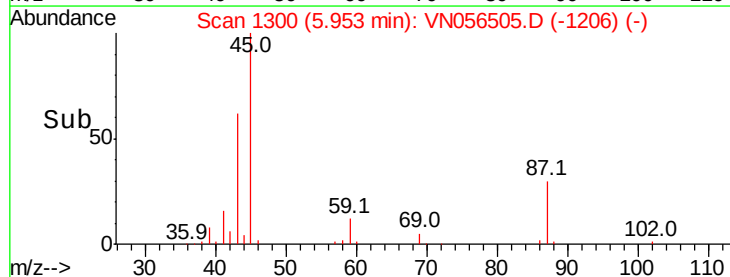
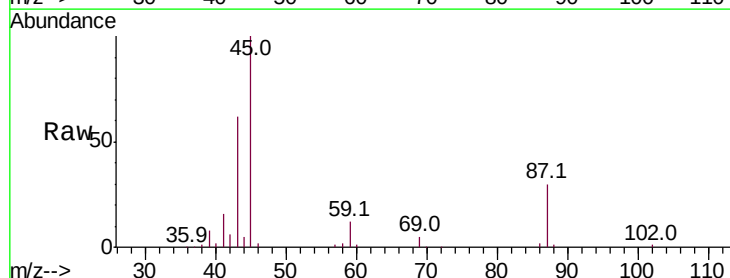
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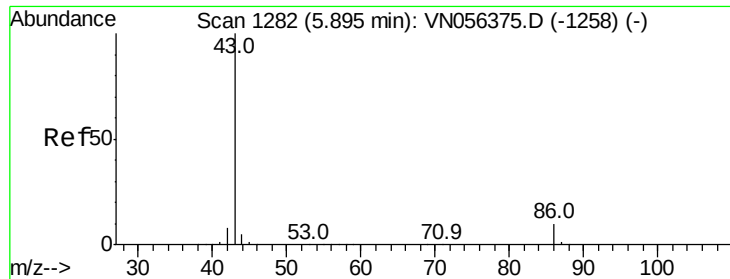
MMDadoda
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#22
Diisopropyl ether
Concen: 20.208 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	50.4	75.6
87	29.3	23.0	34.4
59	11.5	9.1	13.7





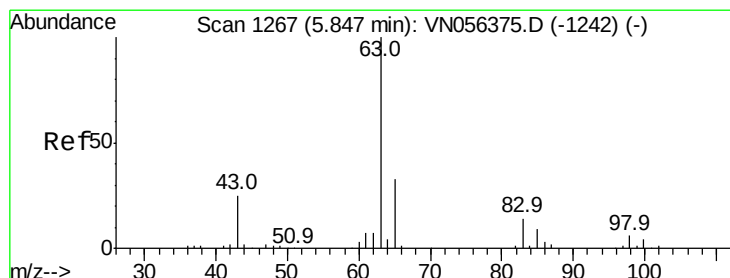
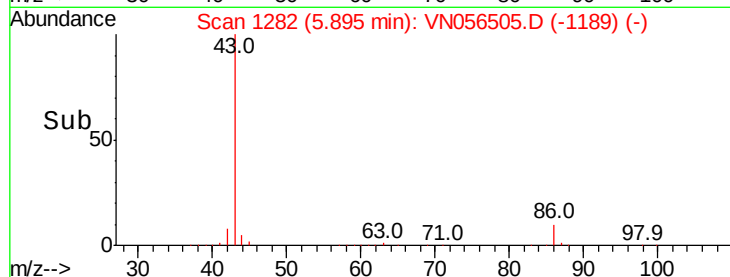
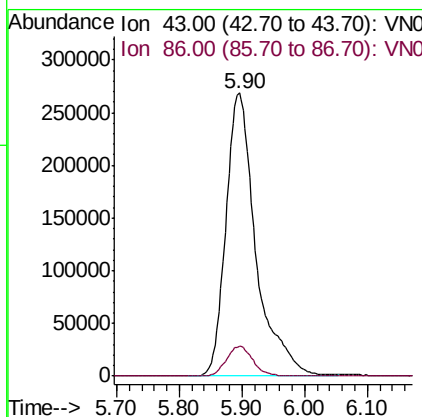
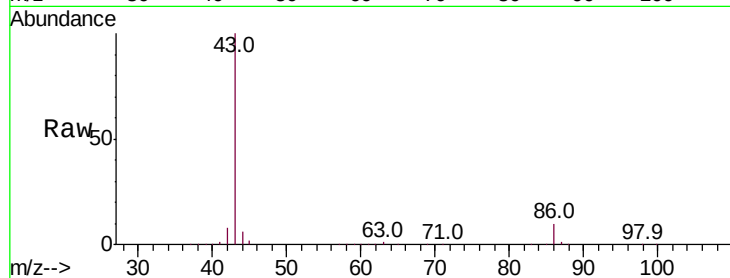
#23
 Vinyl Acetate
 Concen: 103.085 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	43	86	Resp	Lower	Upper
43	100				
86	10.4		8.3	12.5	

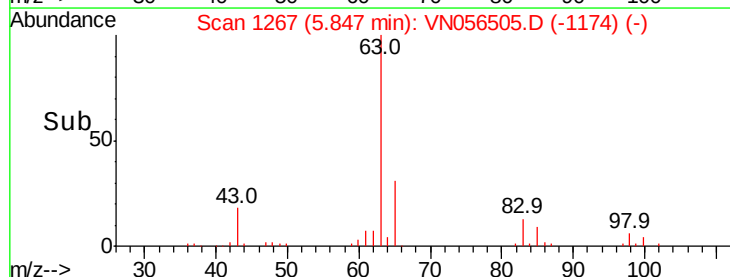
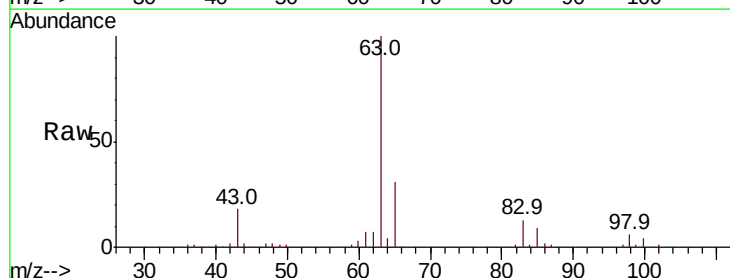
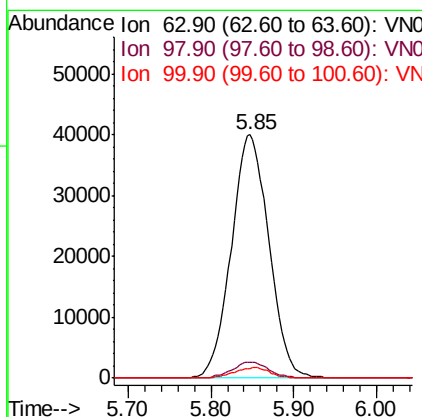
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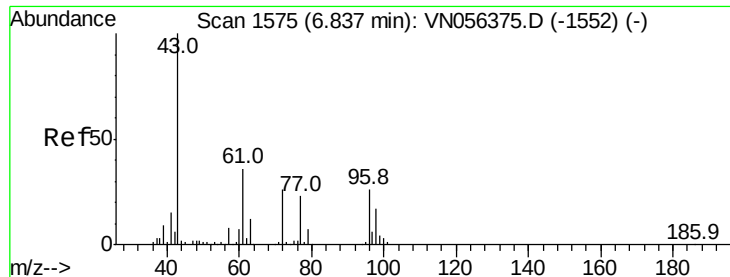
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#24
 1,1-Dichloroethane
 Concen: 20.003 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion	63	98	100	Resp	Lower	Upper
63	100					
98	6.5			3.2	9.6	
100	4.1			2.1	6.5	





#25

2-Butanone

Concen: 95.018 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 43 Resp: 248400

Ion Ratio Lower Upper

43 100

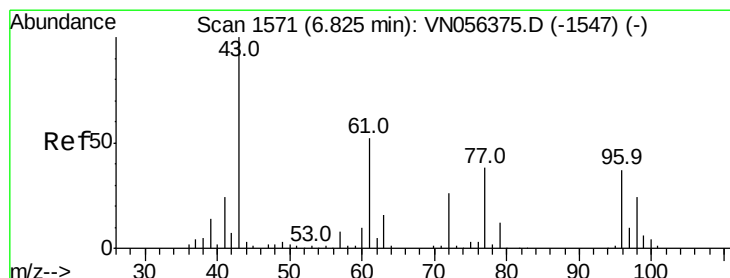
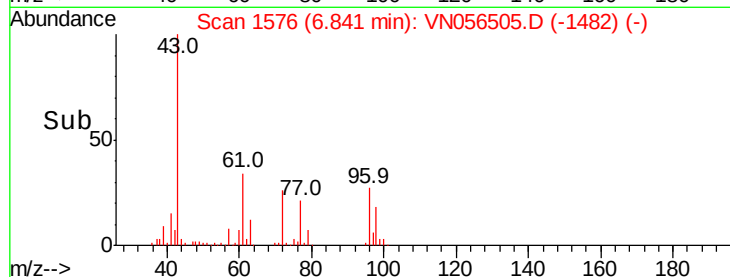
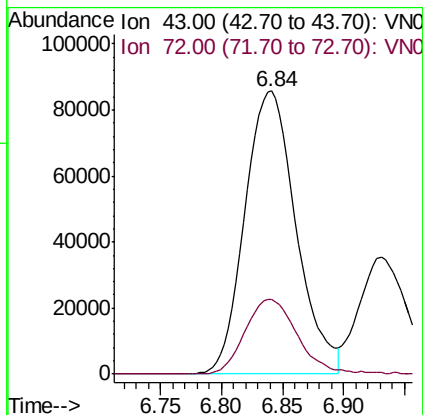
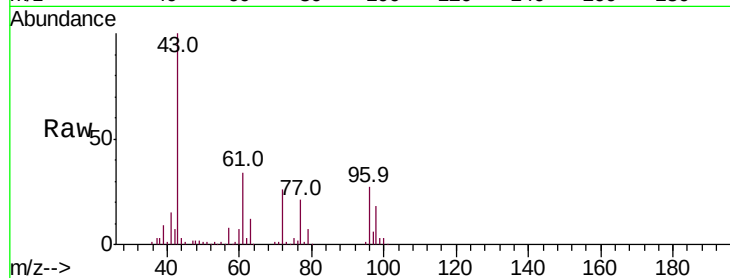
72 26.3 20.6 31.0

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#26

2,2-Dichloropropane

Concen: 18.307 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056505.D

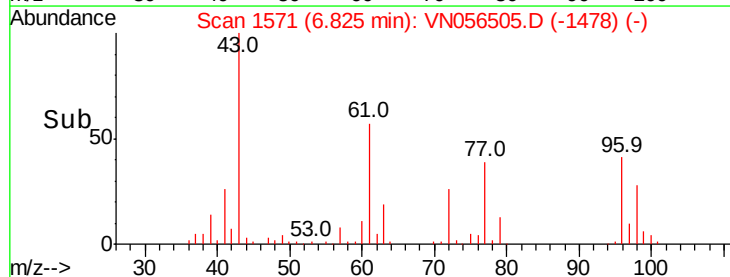
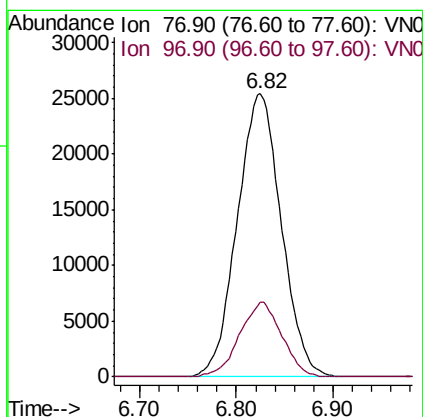
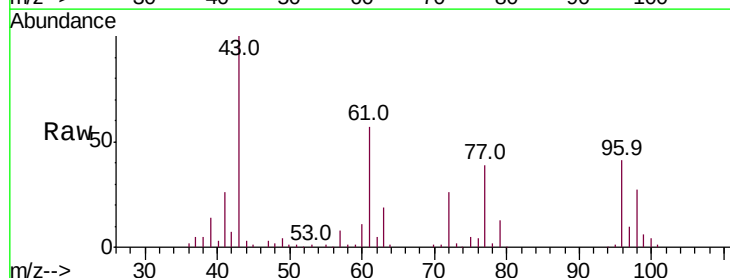
Acq: 26 Jun 2019 14:47

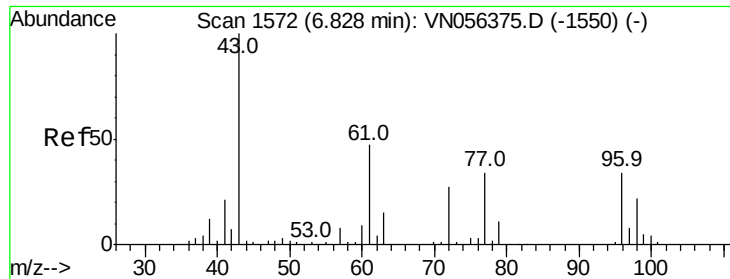
Tgt Ion: 77 Resp: 80292

Ion Ratio Lower Upper

77 100

97 25.3 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.863 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

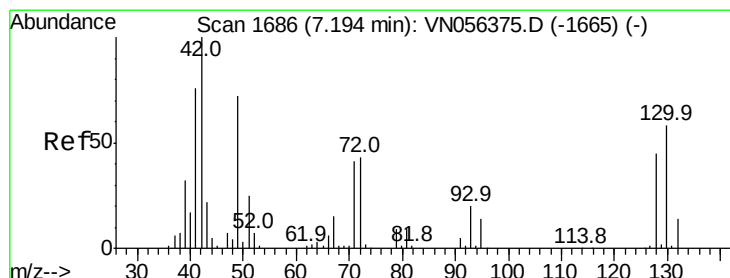
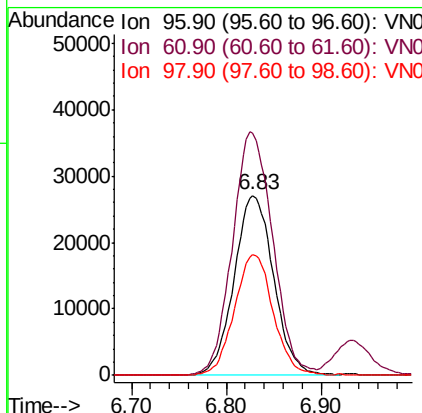
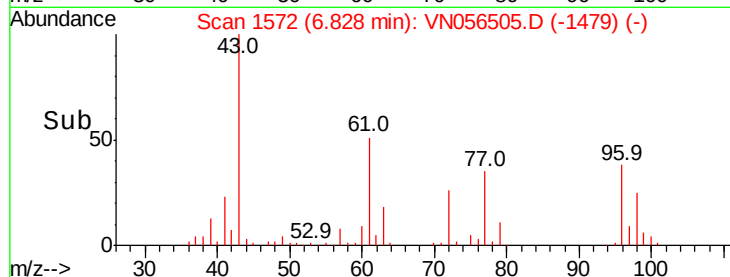
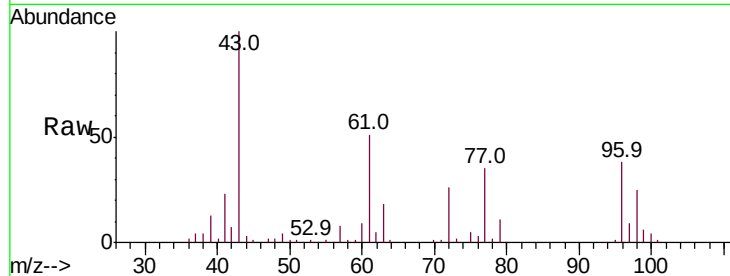
ClientSampleId :

VN0626WBSD01

Tot Ion:	96	Resp:	78733
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	279.8
98	65.6	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 18.397 ug/l

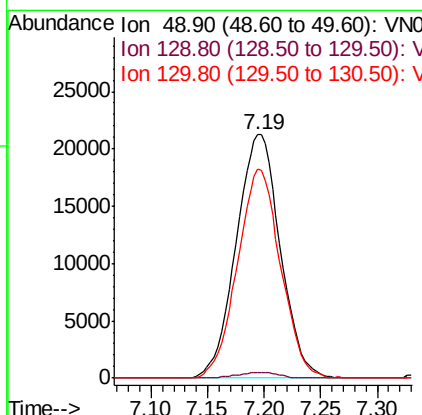
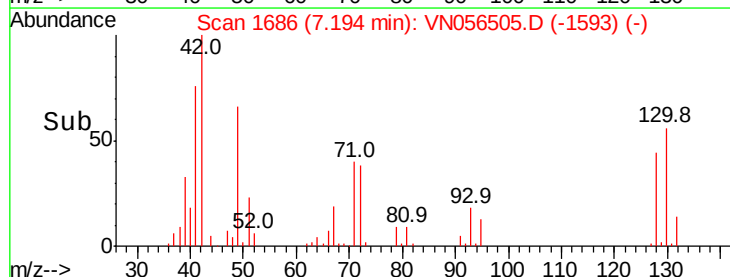
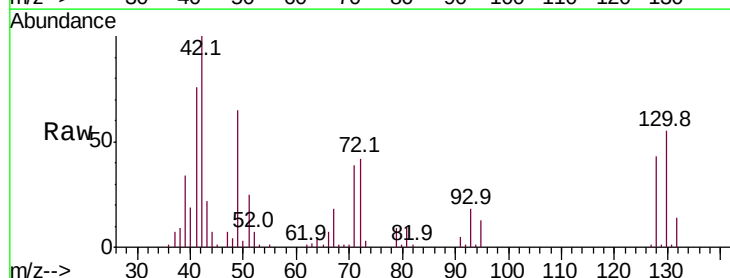
RT: 7.19 min Scan# 1686

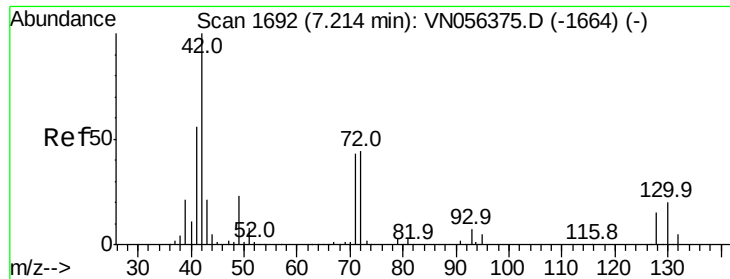
Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Tgt Ion:	49	Resp:	57384
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	83.9	64.9	97.3





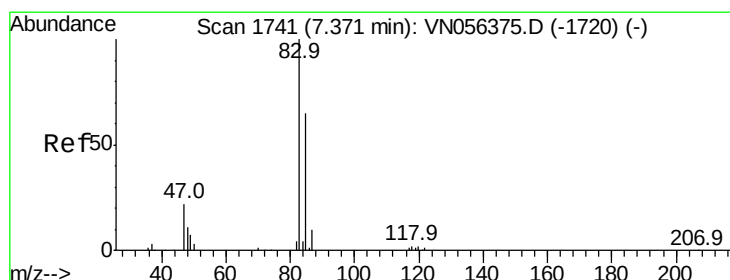
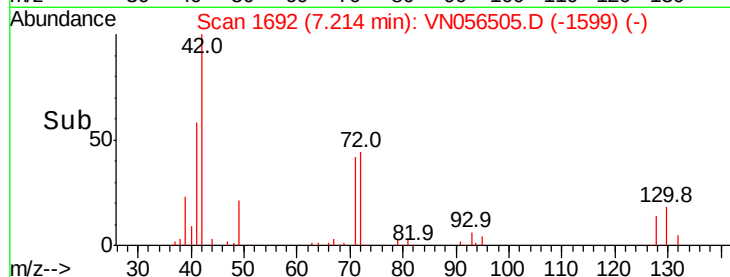
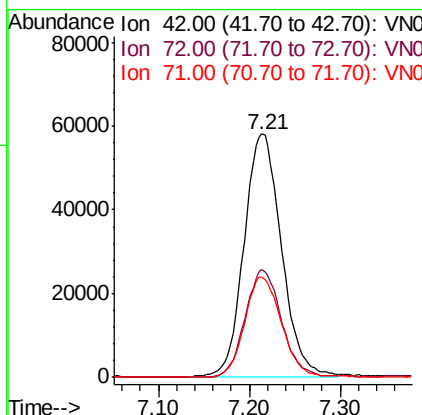
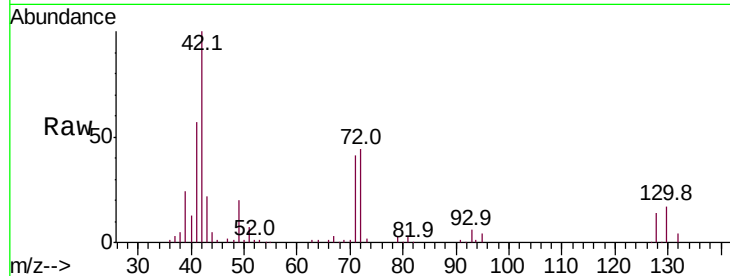
#29
Tetrahydrofuran
Concen: 103.206 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.7	52.1
71	41.1	33.0	49.6

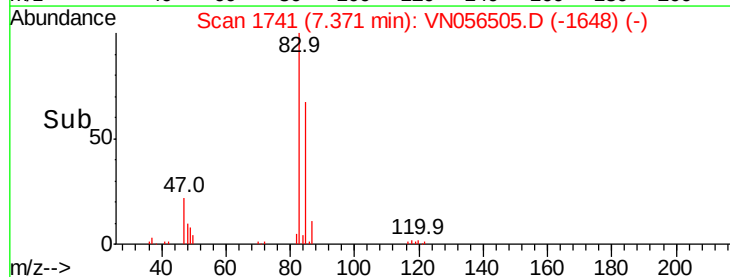
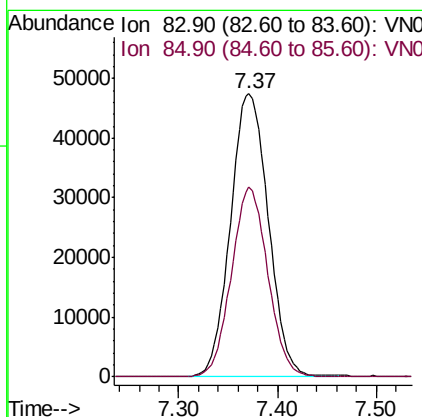
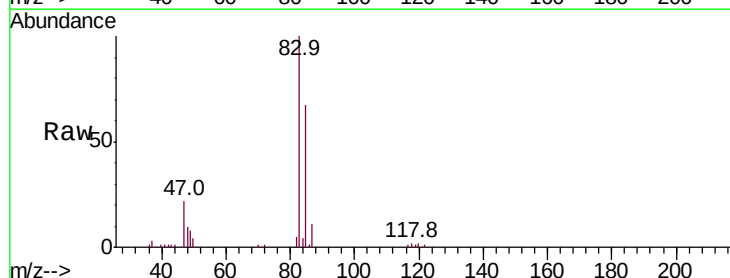
Manual Integrations
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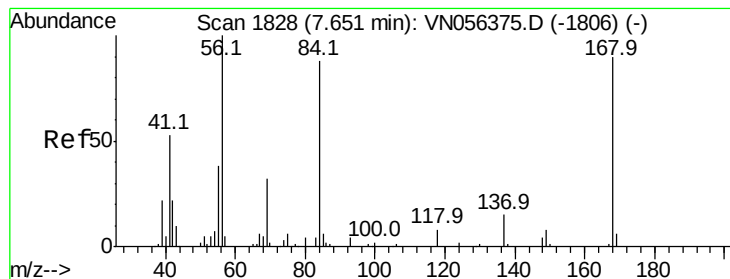
MMDadoda
6/29/2019 7:22:51 AM



#30
Chloroform
Concen: 20.360 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.3	78.5





#31

Cyclohexane

Concen: 18.193 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

VN0626WBSD01

Tot Ion: 56 Resp: 110756

Ion Ratio Lower Upper

56 100

69 36.4 25.8 38.6

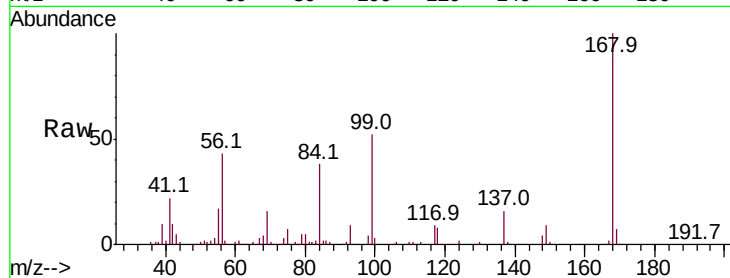
84 86.4 69.4 104.0

Manual Integrations

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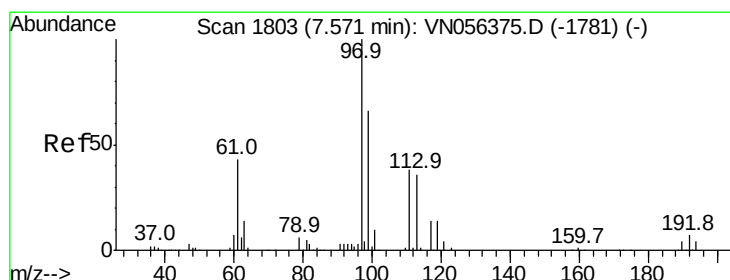
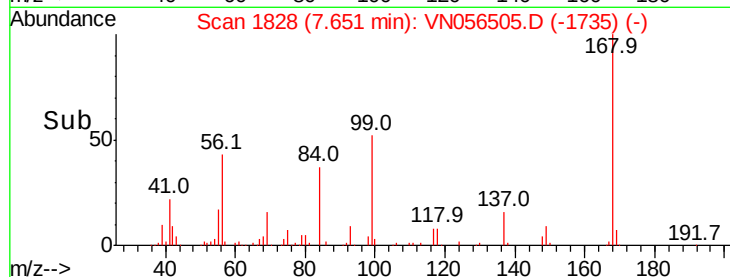
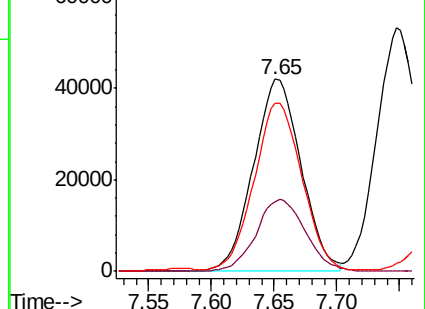
6/29/2019 7:22:51 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.126 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

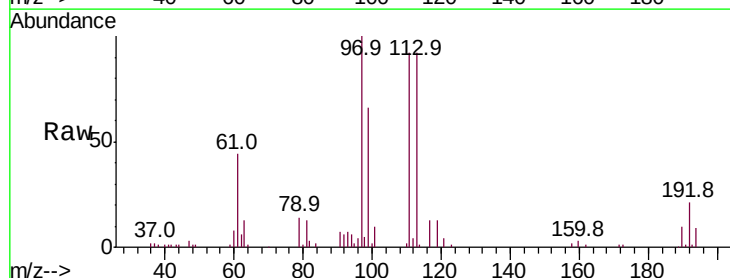
Tgt Ion: 97 Resp: 99267

Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

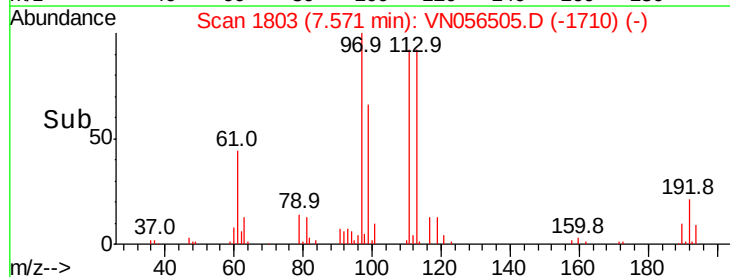
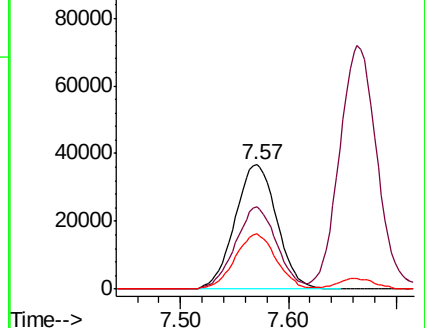
61 43.5 33.9 50.9

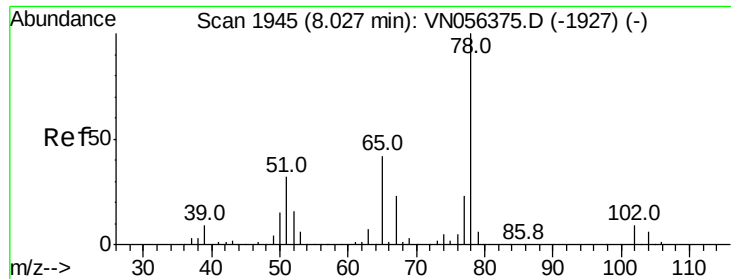


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





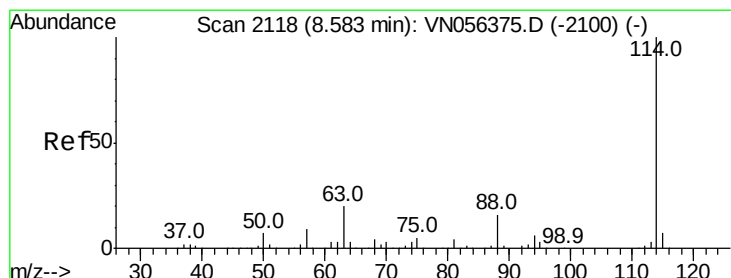
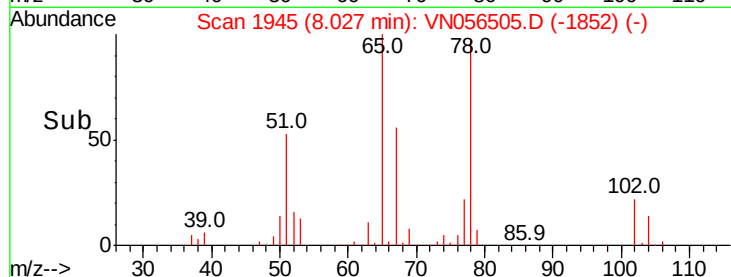
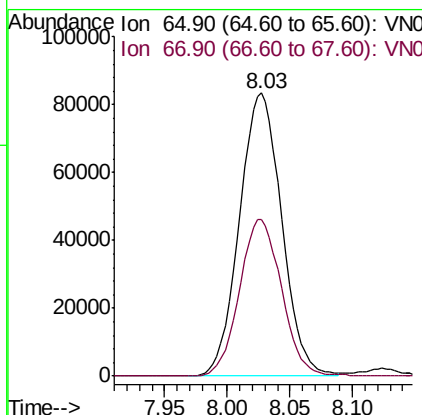
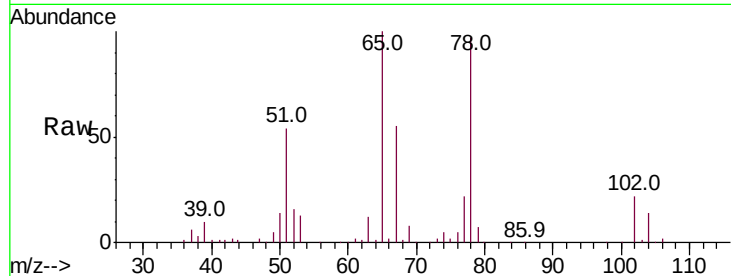
#33
 1,2-Dichloroethane-d4
 Concen: 49.572 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	195435		
67	55.3	0.0	109.0	

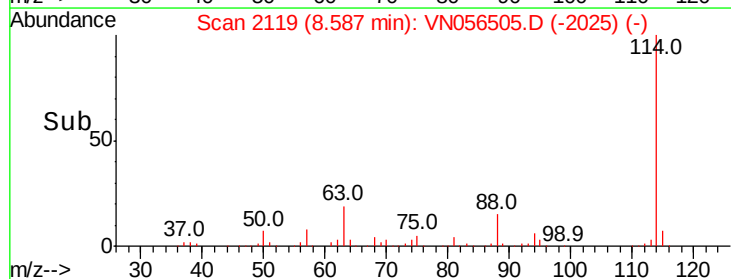
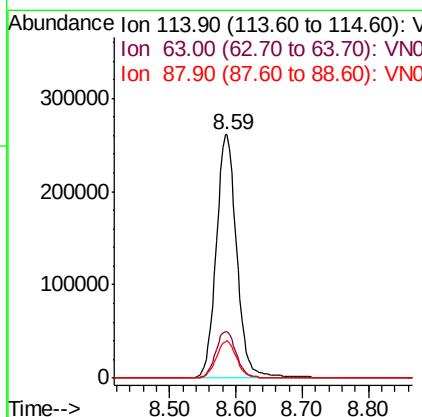
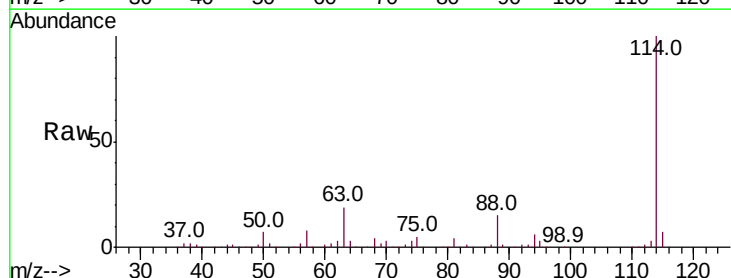
Manual Integrations
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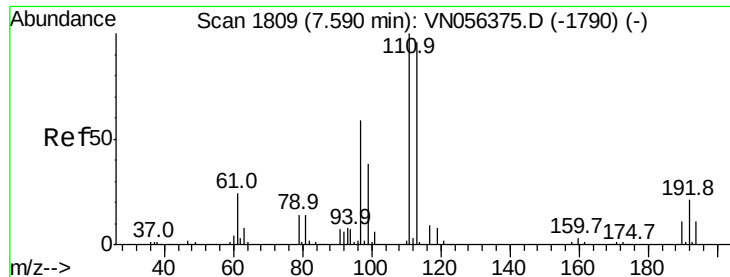
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	560804		
63	18.9	0.0	39.2	
88	15.3	0.0	31.4	





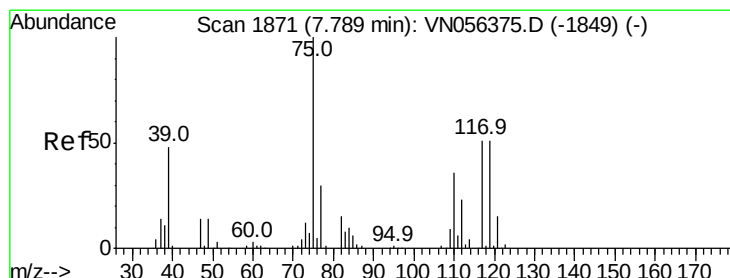
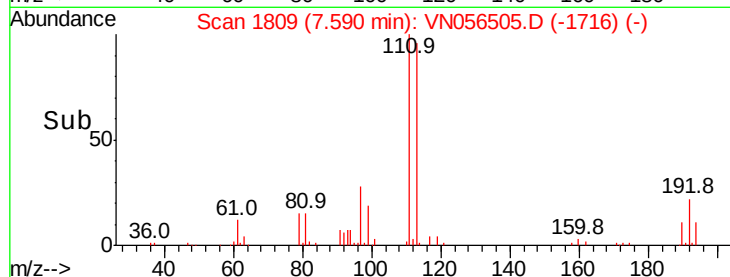
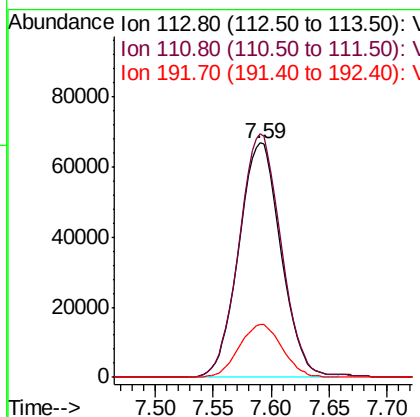
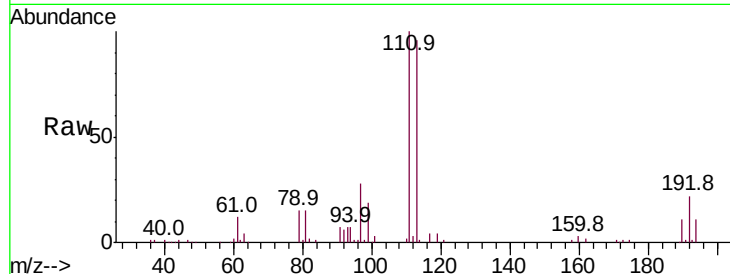
#35
 Dibromofluoromethane
 Concen: 48.506 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	23.0	17.7	26.5

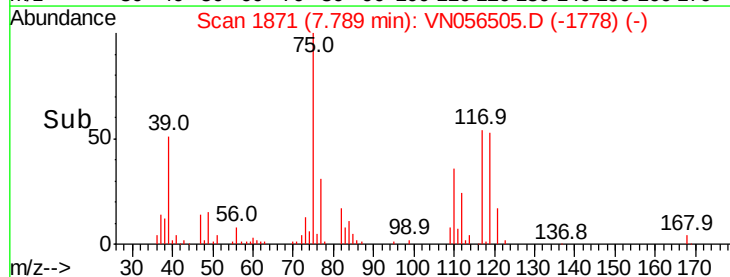
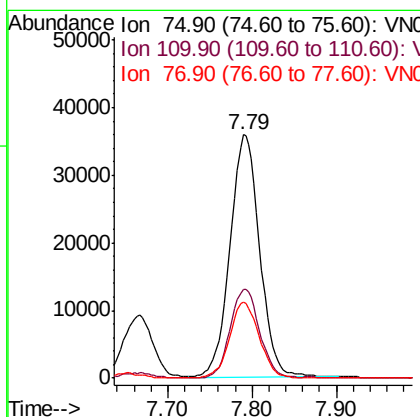
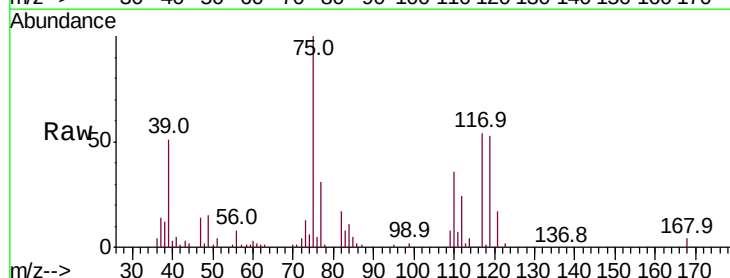
Manual Integrations
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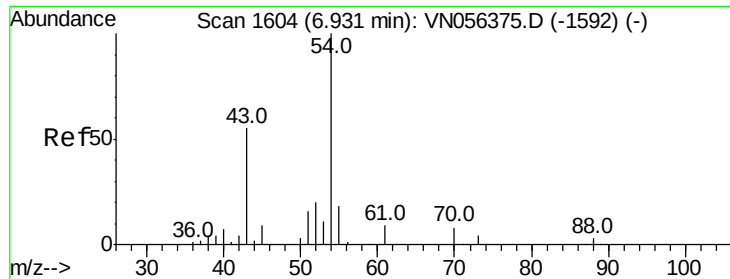
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#36
 1,1-Dichloropropene
 Concen: 17.827 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.3
77	31.0	24.6	36.8





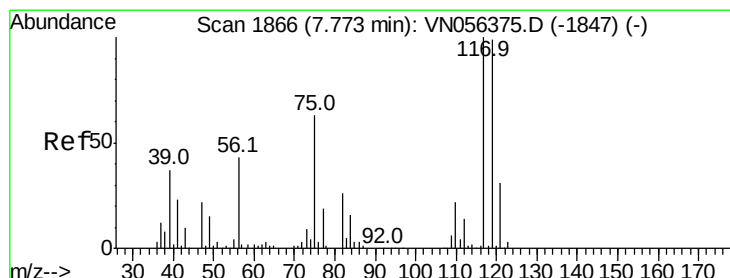
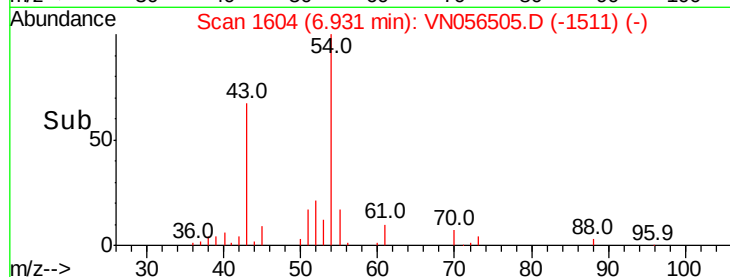
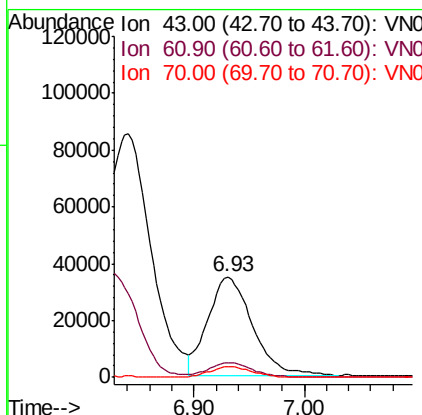
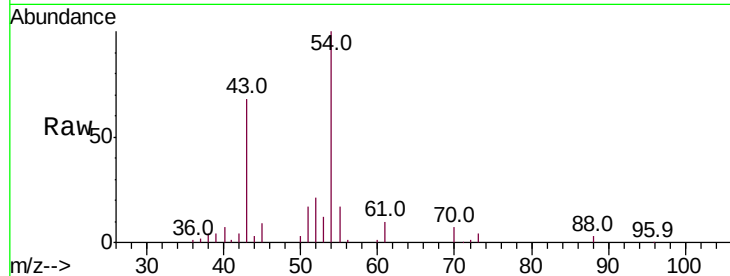
#37
Ethyl Acetate
Concen: 20.227 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	43	61	70
Ratio	100	14.8	10.2
Lower		11.1	8.3
Upper		16.7	12.5

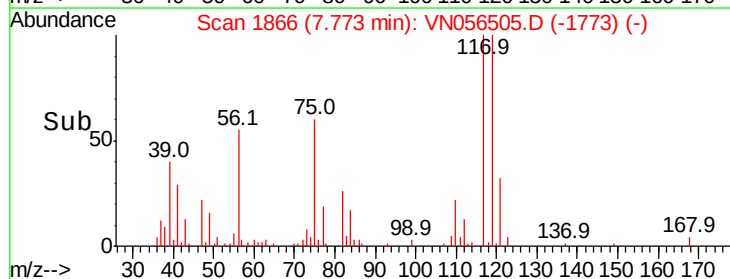
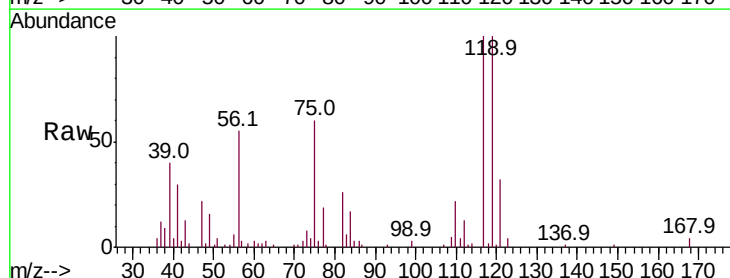
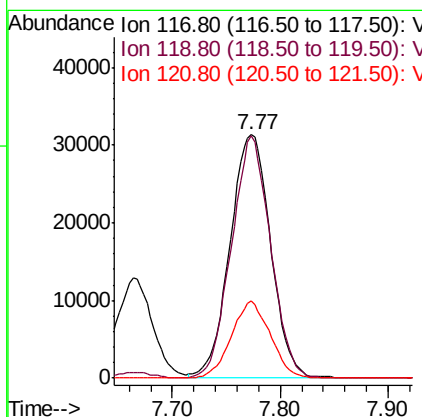
Manual Integrations
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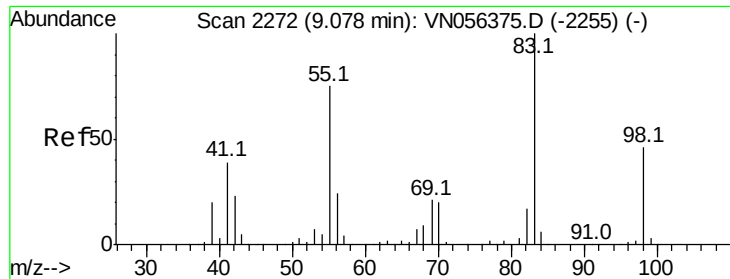
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#38
Carbon Tetrachloride
Concen: 19.026 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	117	119	121
Ratio	100	99.7	31.9
Lower		79.1	24.8
Upper		118.7	37.2





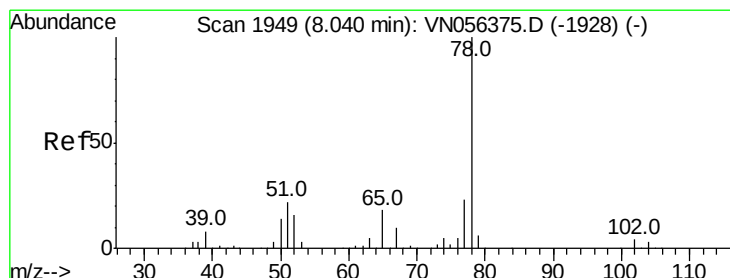
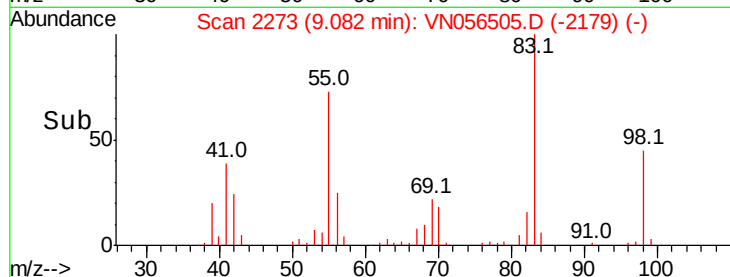
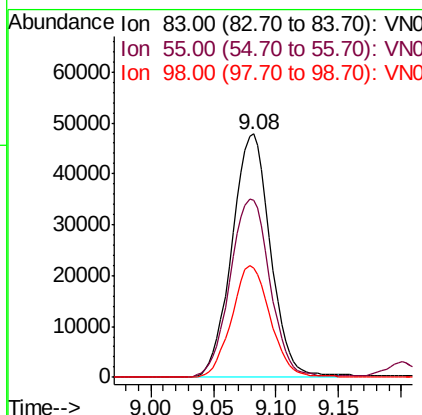
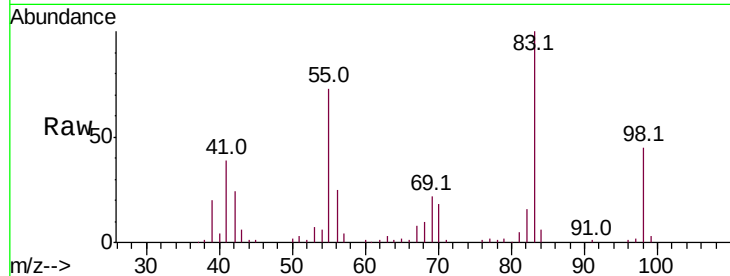
#39
Methylvlcyclohexane
Concen: 16.815 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	60.0	90.0
98	44.7	36.6	54.8

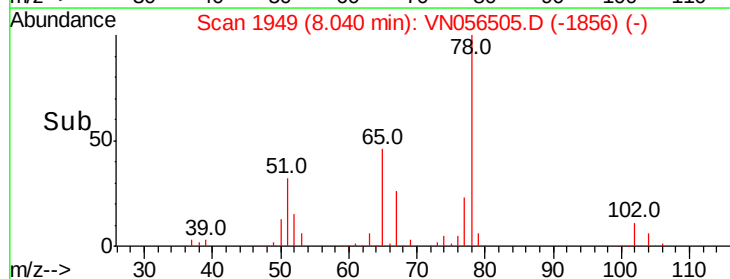
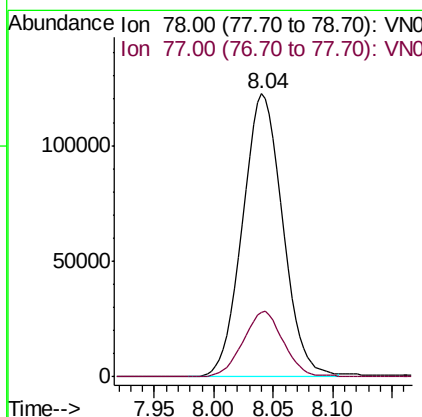
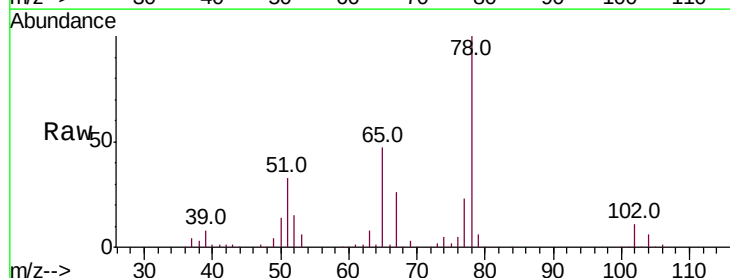
Manual Integrations
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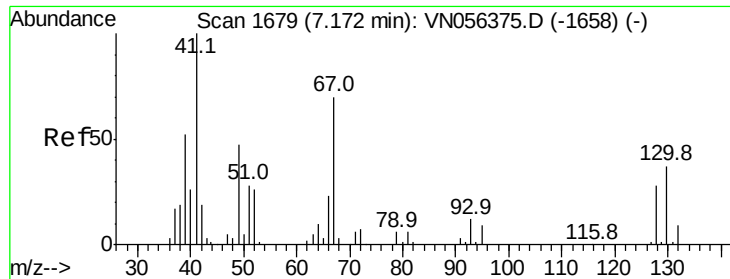
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#40
Benzene
Concen: 18.888 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.3	27.5





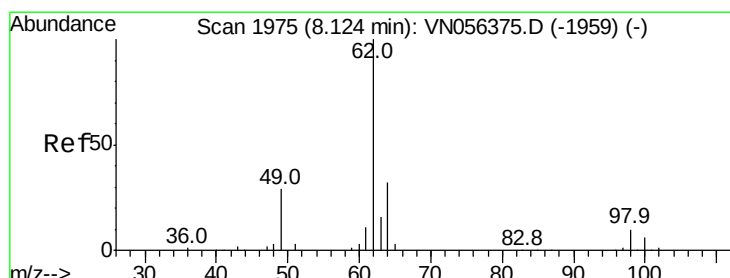
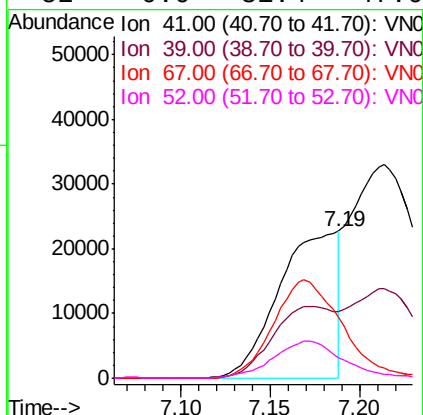
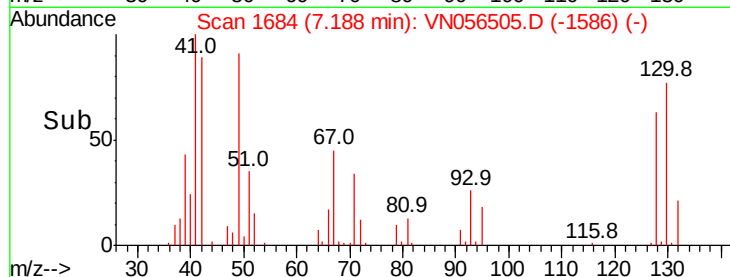
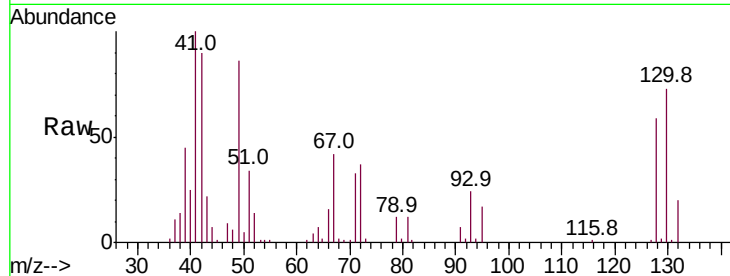
#41
Methacrylonitrile
Concen: 24.612 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.02 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.3	82.9#
67	0.0	79.2	118.8#
52	0.0	31.4	47.0#

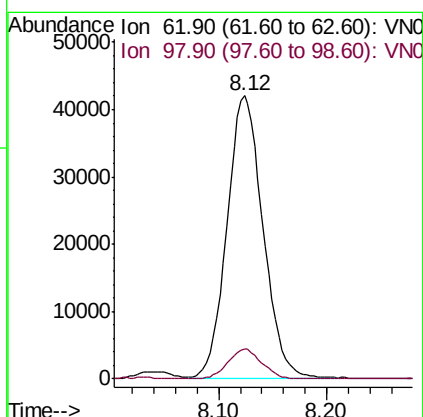
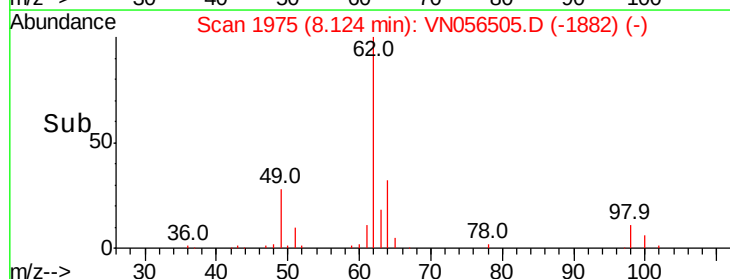
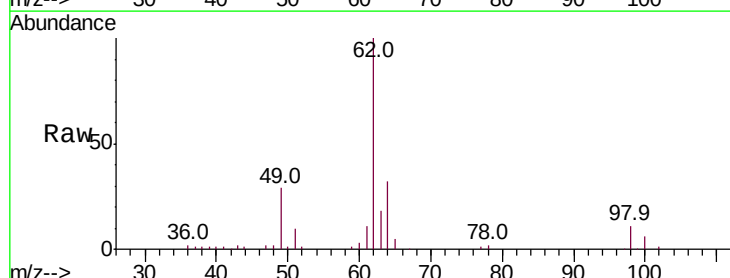
Manual Integrations
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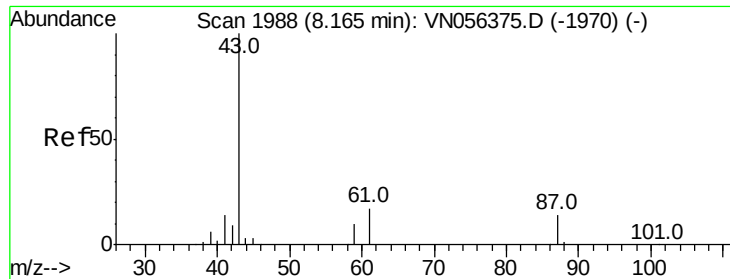
MMDadoda
6/29/2019 7:22:51 AM



#42
1,2-Dichloroethane
Concen: 19.409 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4





#43

Isopropyl Acetate

Concen: 19.808 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

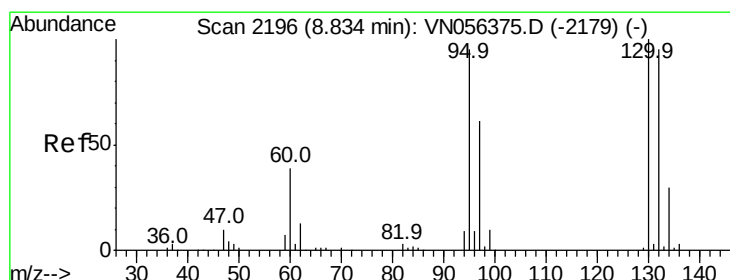
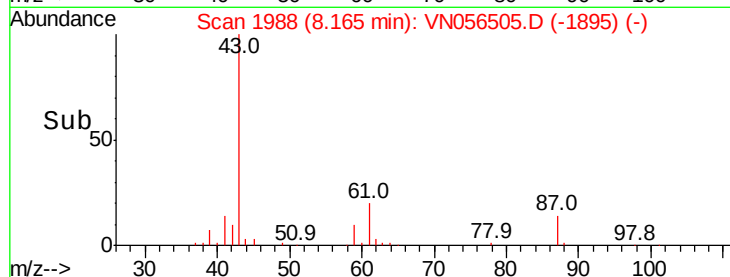
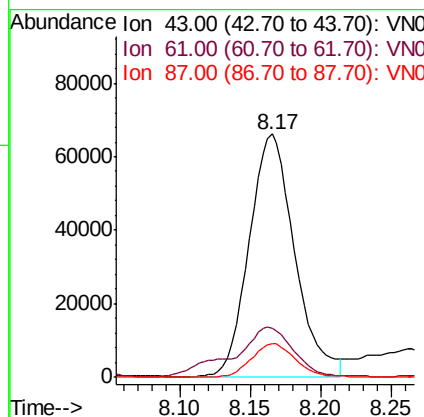
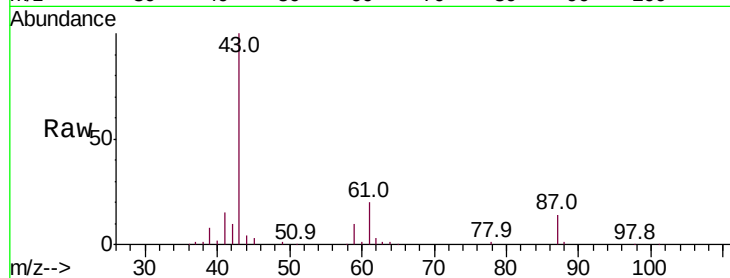
ClientSampleId :

VN0626WBSD01

Tot Ion:	43	Resp:	148162
Ion	Ratio	Lower	Upper
43	100		
61	27.3	22.0	33.0
87	13.6	11.0	16.4

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#44

Trichloroethene

Concen: 18.528 ug/l

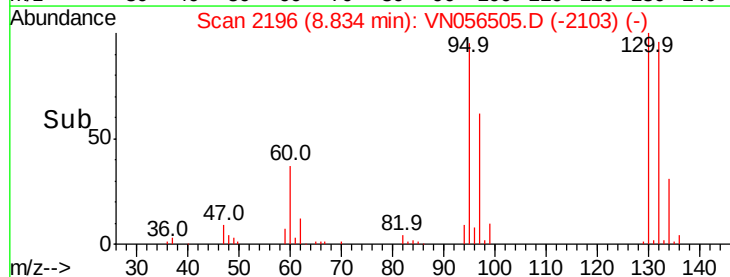
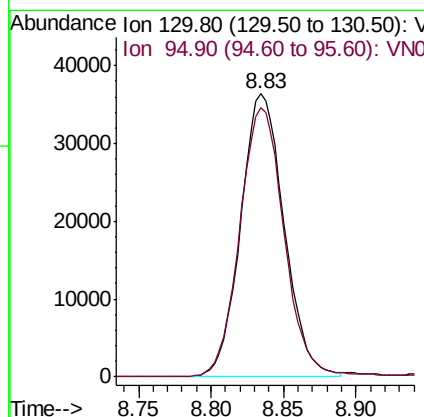
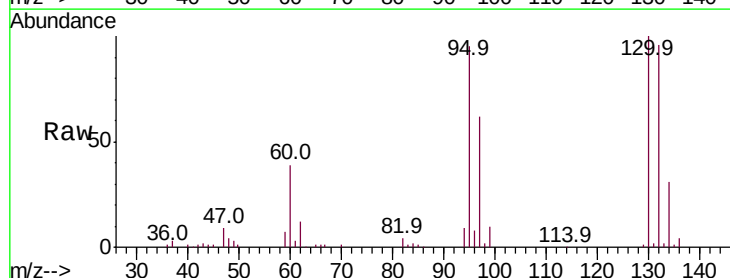
RT: 8.83 min Scan# 2196

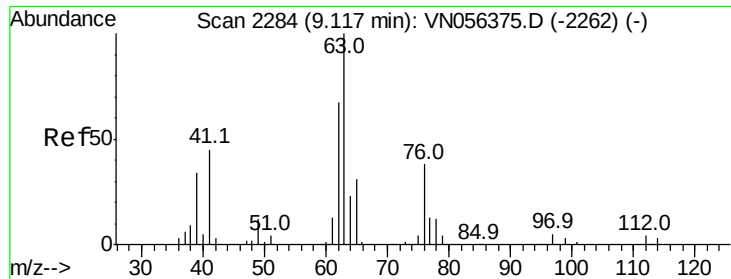
Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Tgt Ion:	130	Resp:	75781
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	191.0





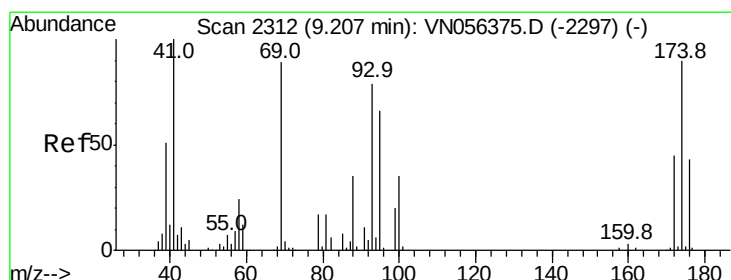
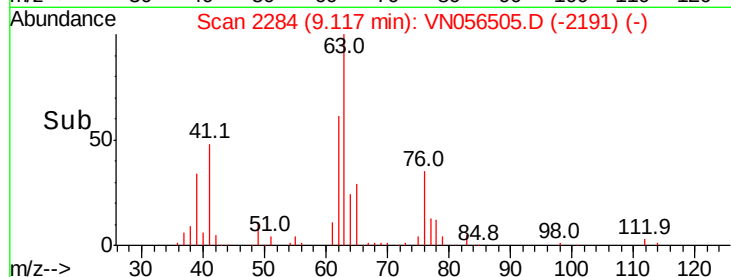
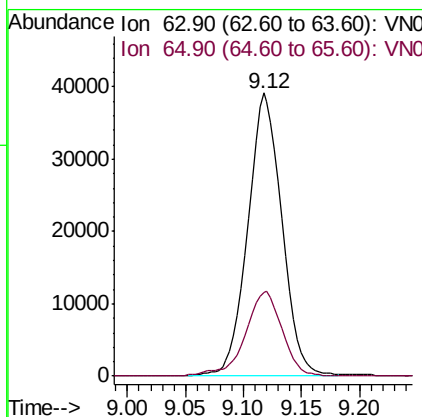
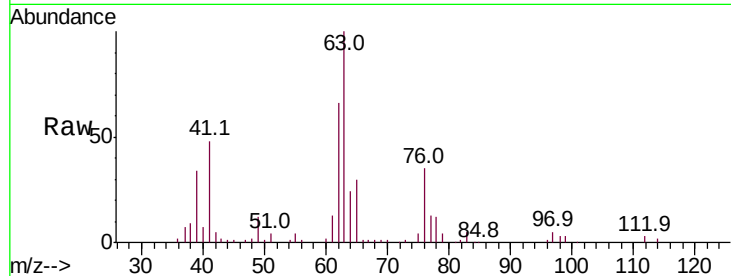
#45
 1,2-Dichloropropane
 Concen: 19.804 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion: 63 Resp: 80415
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.6

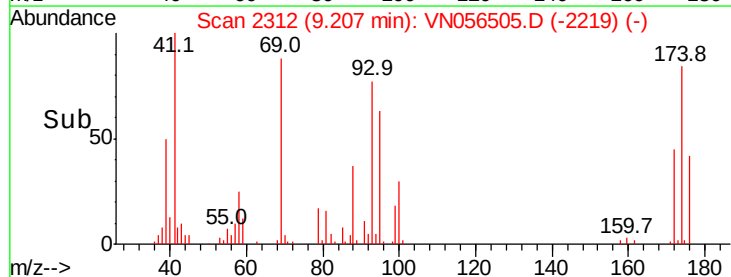
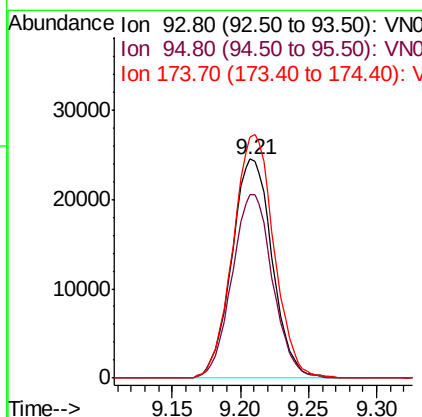
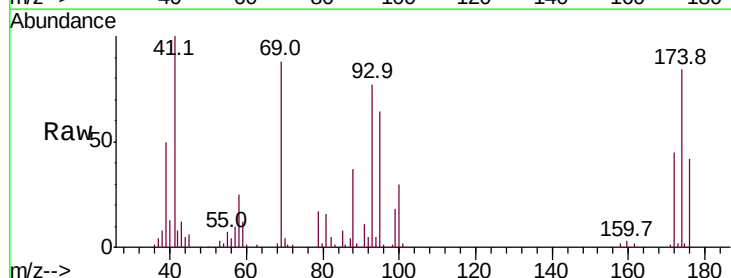
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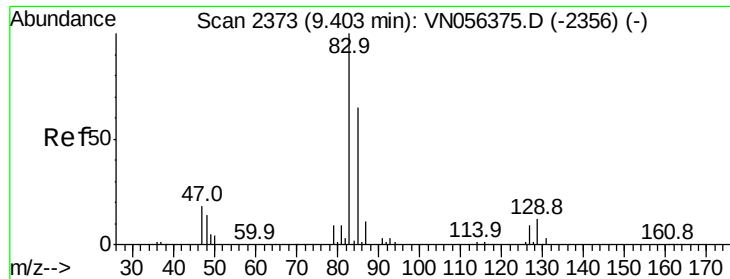
MMDadoda
 6/29/2019 7:22:51 AM



#46
 Dibromomethane
 Concen: 19.899 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion: 93 Resp: 50552
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.2 99.2
 174 112.3 90.8 136.2





#47

Bromodichloromethane

Concen: 19.854 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

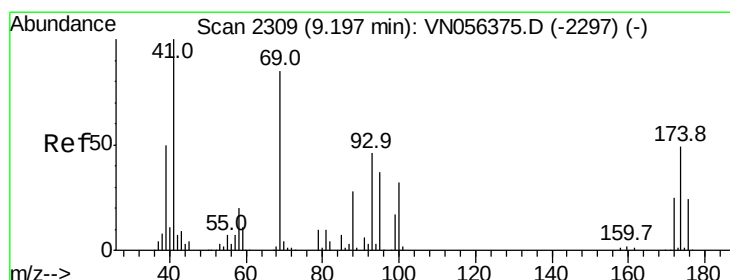
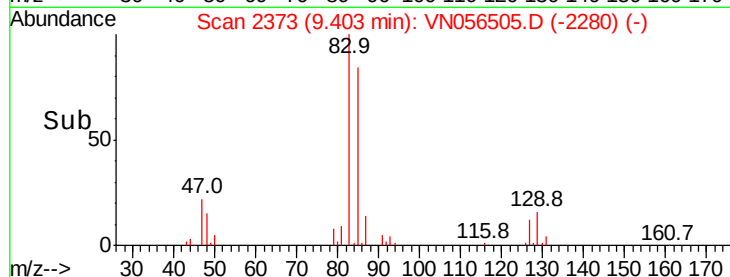
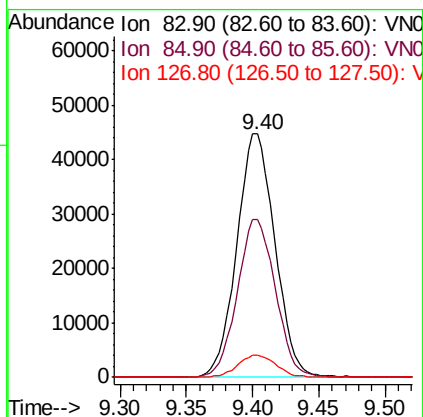
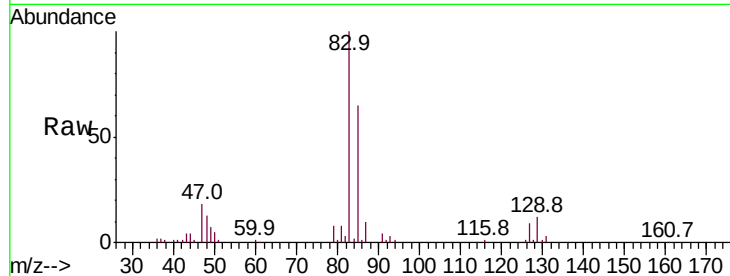
ClientSampleId :

VN0626WBSD01

Tot Ion:	83	Resp:	89455
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.2	78.4
127	9.2	7.3	10.9

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#48

Methyl methacrylate

Concen: 19.722 ug/l

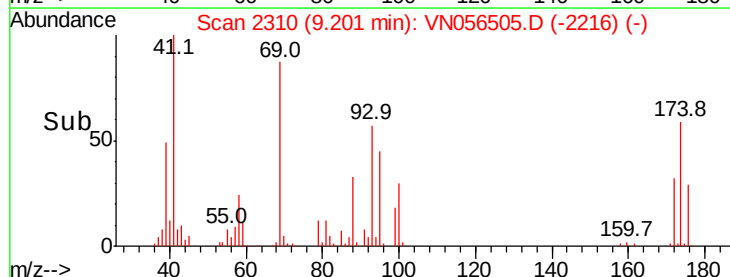
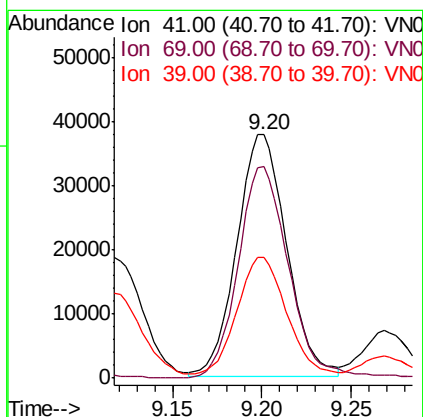
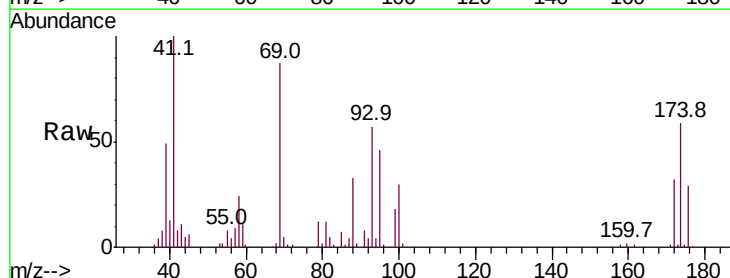
RT: 9.20 min Scan# 2310

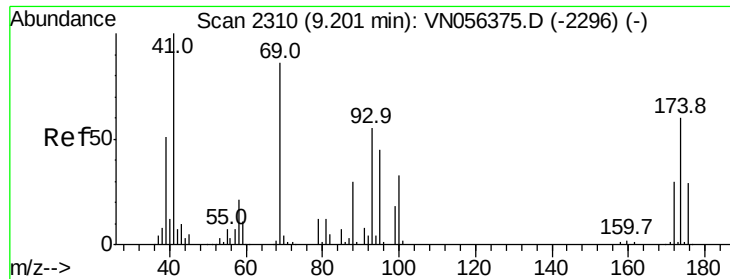
Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Tgt Ion:	41	Resp:	73926
Ion Ratio	Lower	Upper	
41	100		
69	88.9	72.6	109.0
39	50.7	42.6	63.8





#49

1,4-Dioxane

Concen: 394.053 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 88 Resp: 30652

Ion Ratio Lower Upper

88 100

43 26.3 22.0 33.0

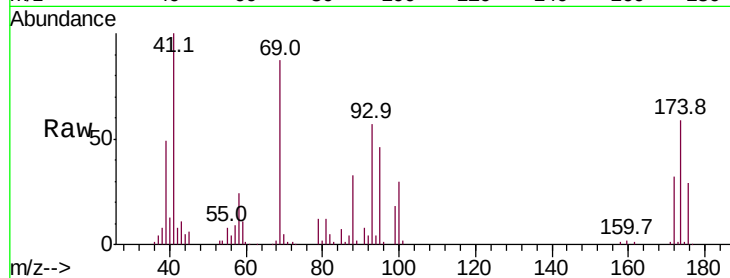
58 69.3 51.8 77.8

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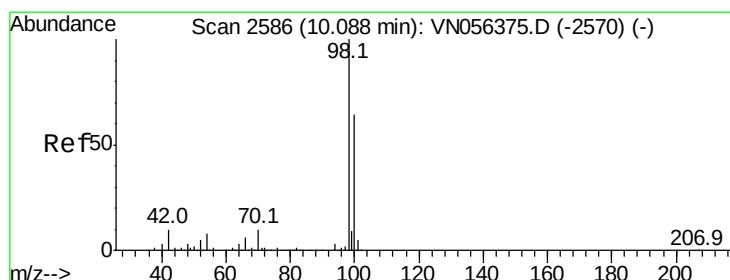
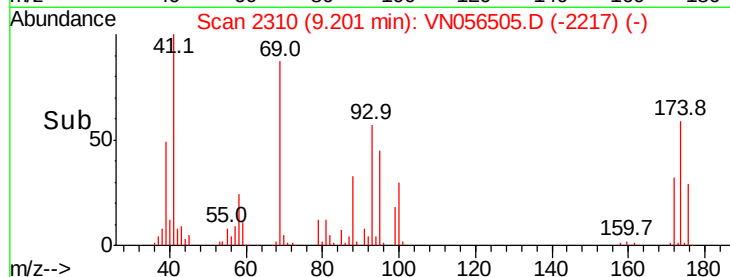
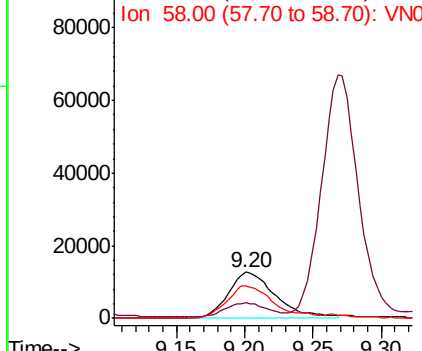


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 46.991 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056505.D

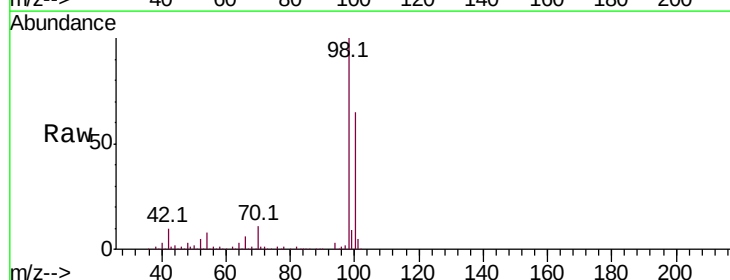
Acq: 26 Jun 2019 14:47

Tgt Ion: 98 Resp: 639678

Ion Ratio Lower Upper

98 100

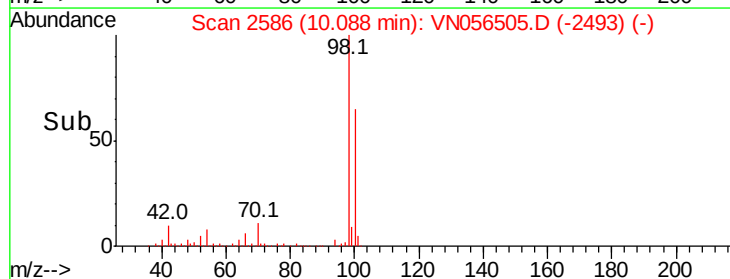
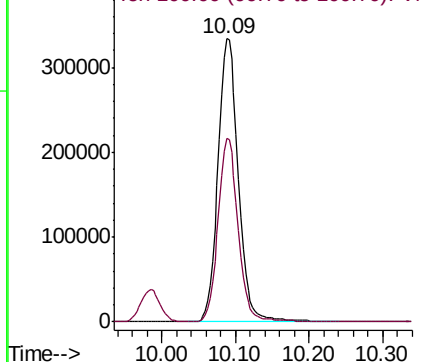
100 63.4 52.2 78.2

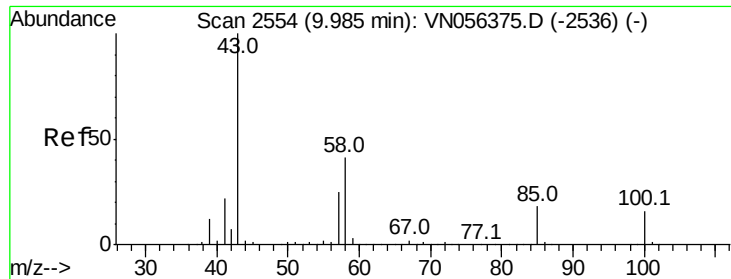


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 98.386 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 43 Resp: 474989

Ion Ratio Lower Upper

43 100

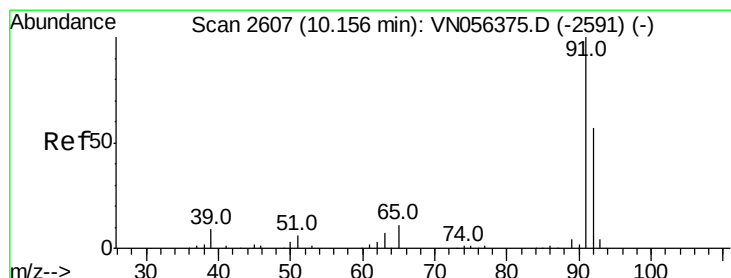
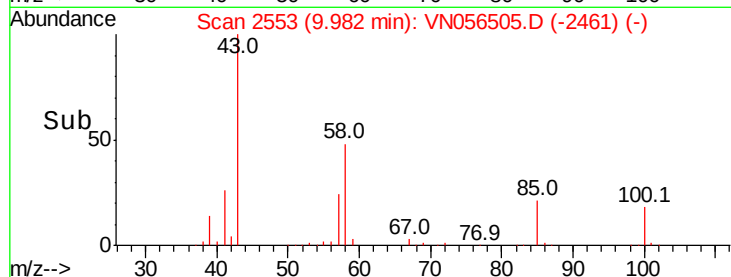
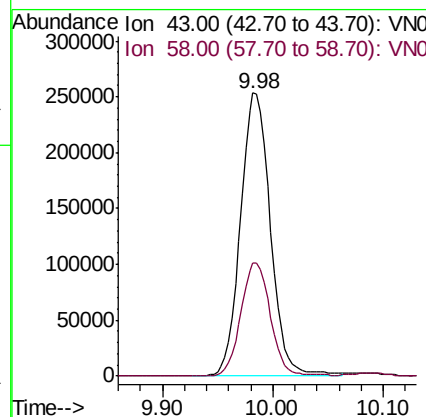
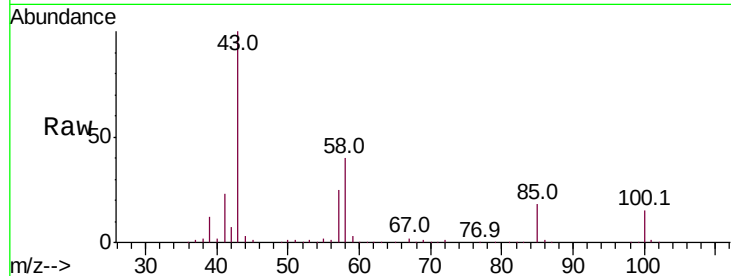
58 39.9 31.8 47.8

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#52

Toluene

Concen: 18.711 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056505.D

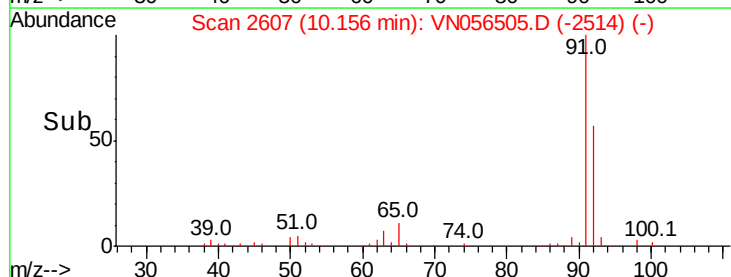
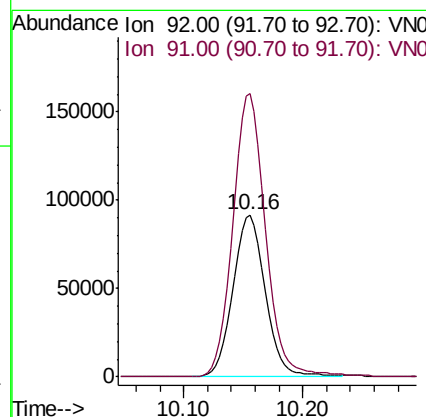
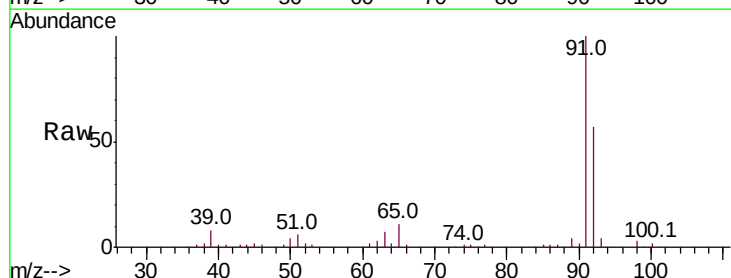
Acq: 26 Jun 2019 14:47

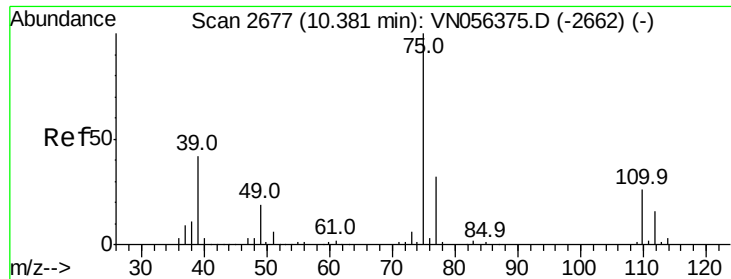
Tgt Ion: 92 Resp: 173692

Ion Ratio Lower Upper

92 100

91 176.3 140.6 211.0





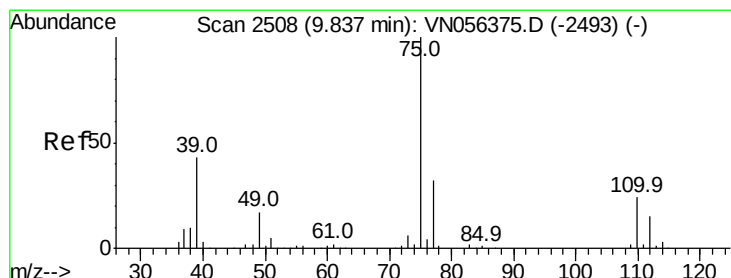
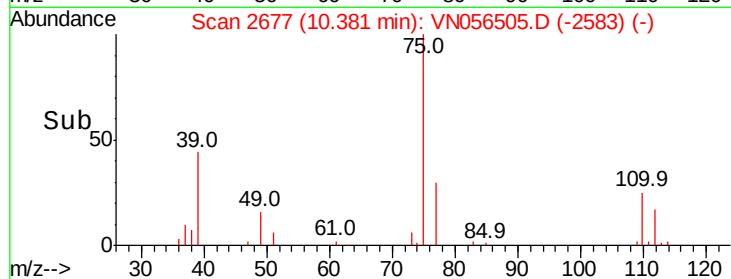
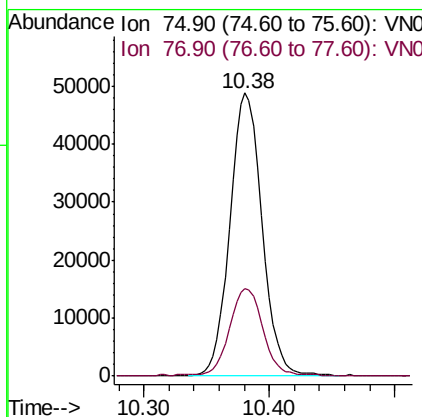
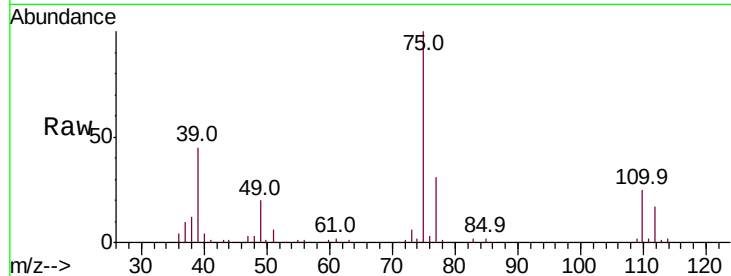
#53
 t-1,3-Dichloropropene
 Concen: 18.530 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion: 75 Resp: 87106
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.4 38.2

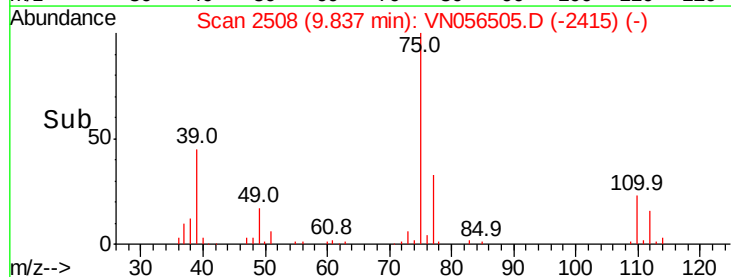
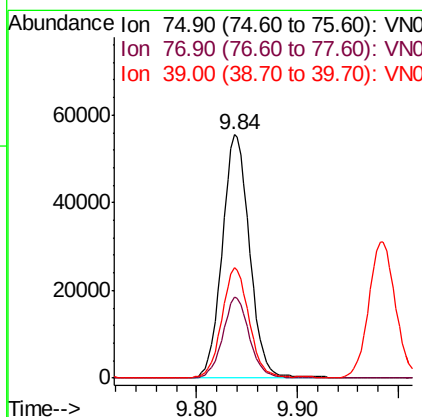
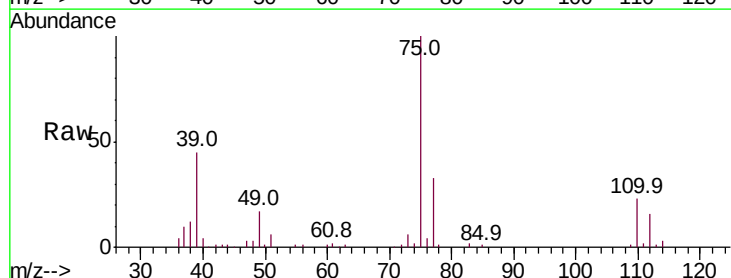
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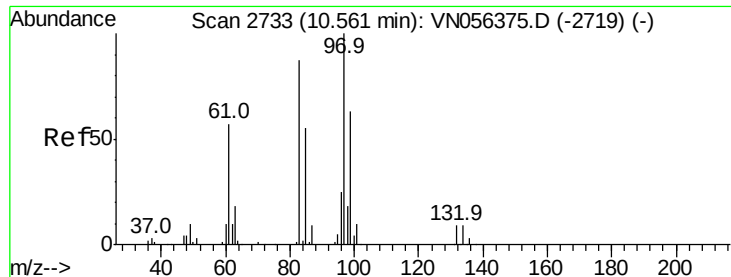
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#54
 cis-1,3-Dichloropropene
 Concen: 19.388 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion: 75 Resp: 105196
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.2 37.8
 39 45.3 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 19.874 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 97 Resp: 74155

Ion Ratio Lower Upper

97 100

83 86.2 69.8 104.6

85 55.8 43.8 65.8

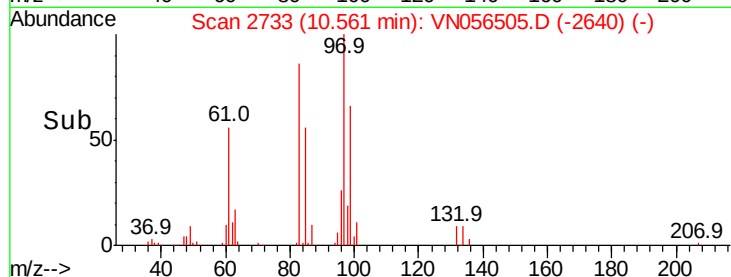
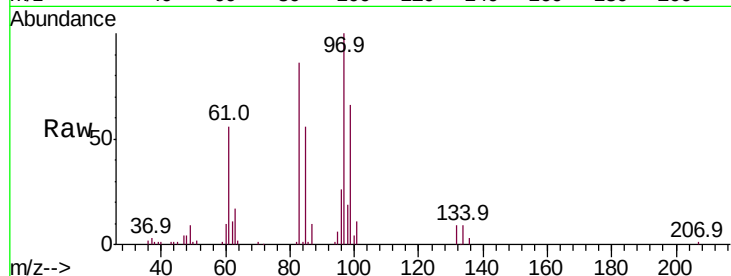
99 66.2 50.2 75.2

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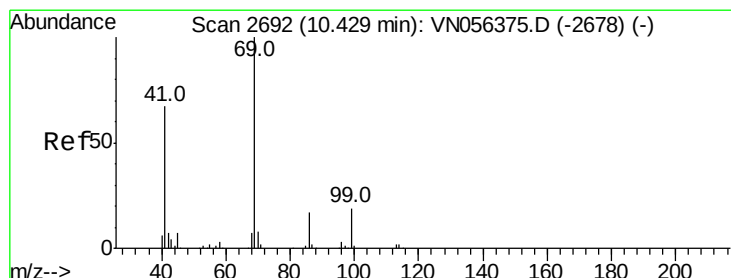
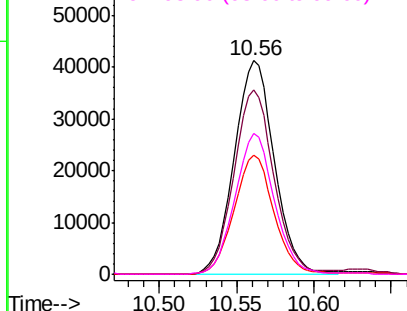
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.400 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

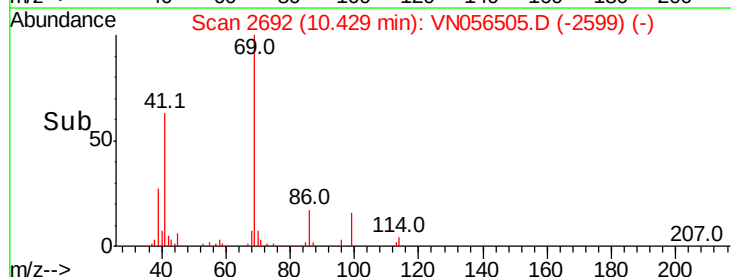
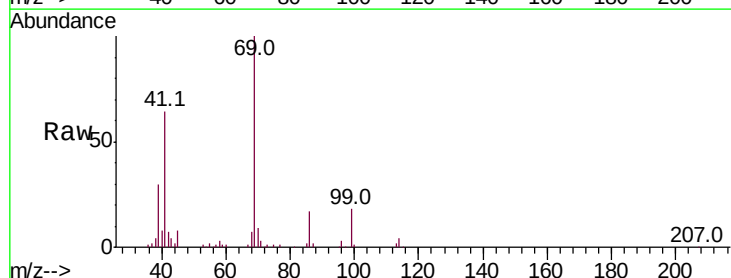
Tgt Ion: 69 Resp: 105788

Ion Ratio Lower Upper

69 100

41 63.8 51.4 77.2

39 30.3 24.7 37.1

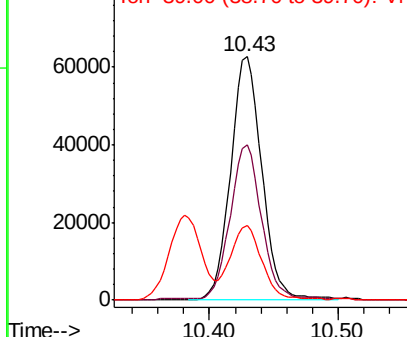


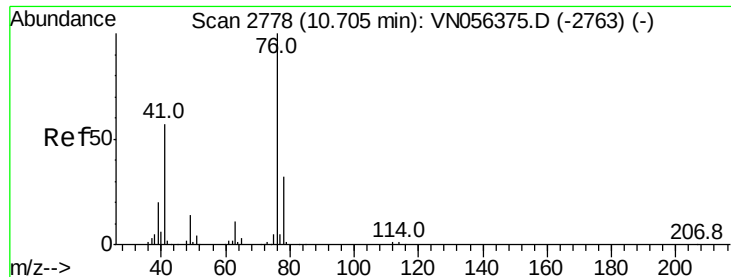
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





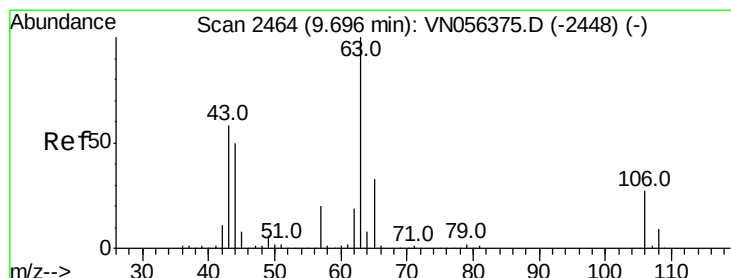
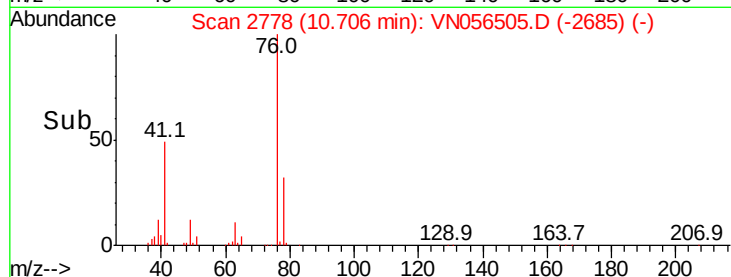
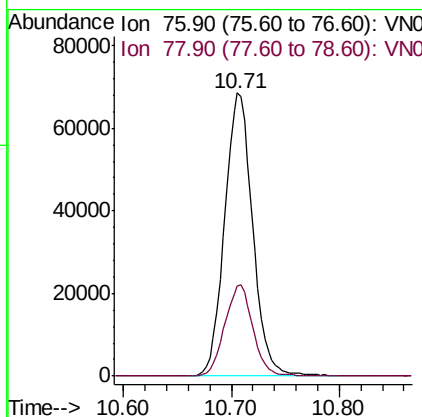
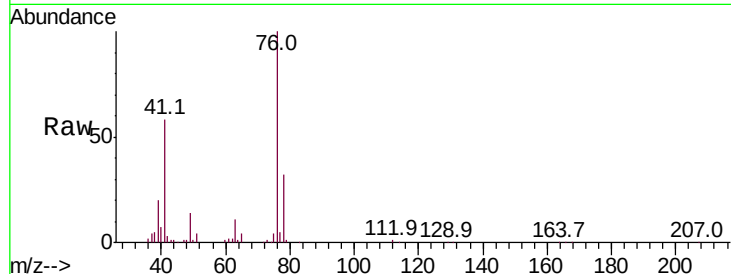
#57
 1,3-Dichloropropane
 Concen: 19.794 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.9	38.9

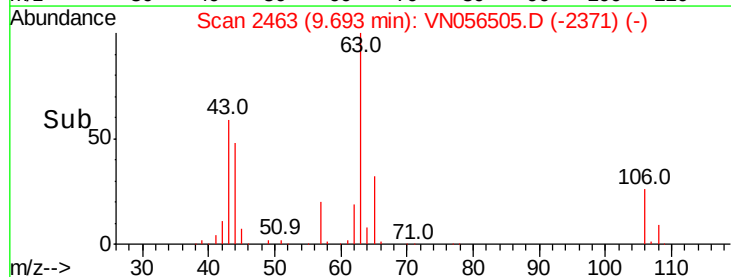
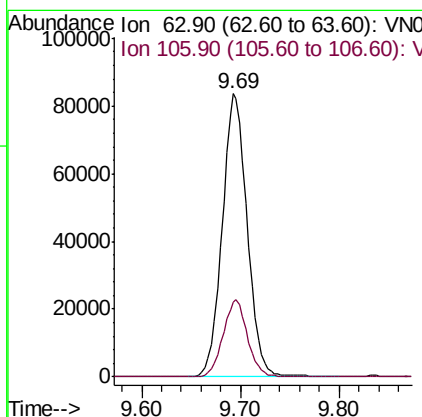
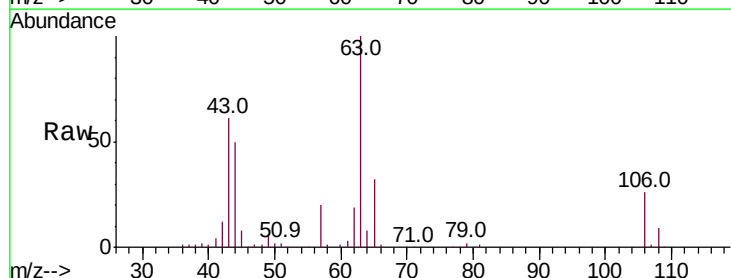
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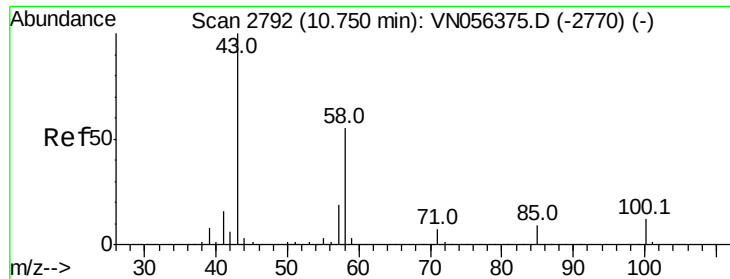
MMDadoda
 6/29/2019 7:22:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 75.650 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.6	32.4





#59

2-Hexanone

Concen: 96.096 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 43 Resp: 340975

Ion Ratio Lower Upper

43 100

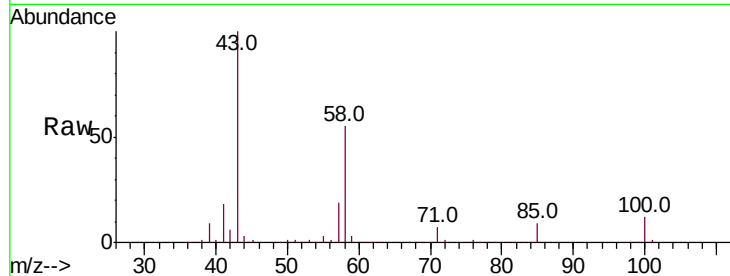
58 54.8 27.8 83.4

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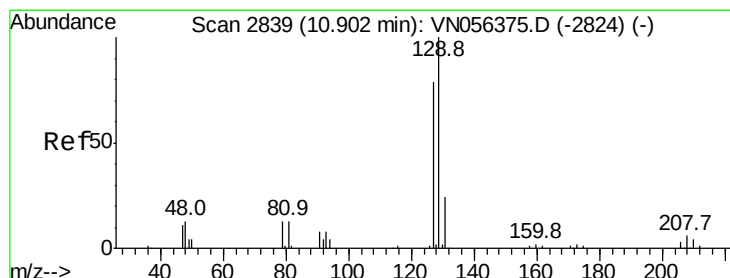
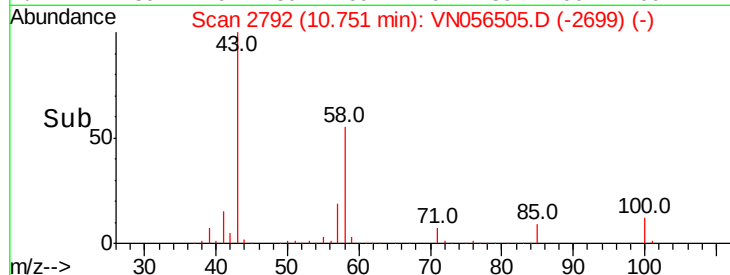
Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-2770) (-)

Ion 58.00 (57.70 to 58.70): VN056375.D (-2770) (-)

10.75

10.80

Time-->



#60

Dibromochloromethane

Concen: 19.276 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056505.D

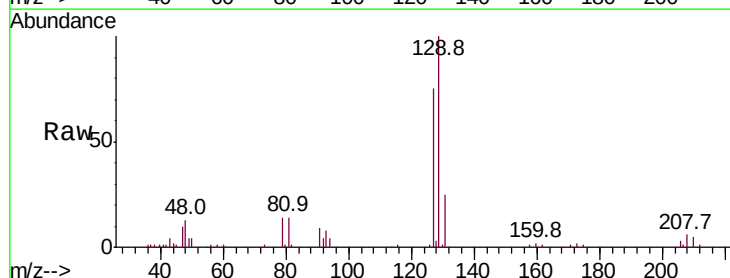
Acq: 26 Jun 2019 14:47

Tgt Ion: 129 Resp: 68034

Ion Ratio Lower Upper

129 100

127 76.9 38.9 116.7



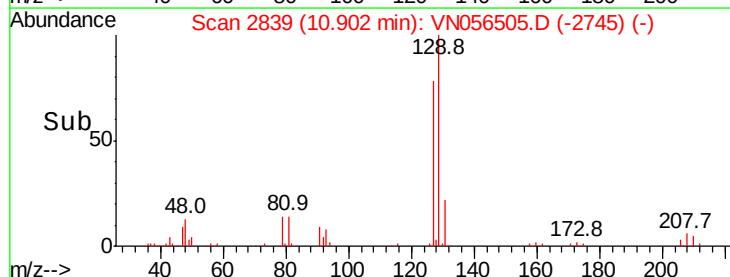
Abundance Ion 128.80 (128.50 to 129.50): VN056375.D (-2824) (-)

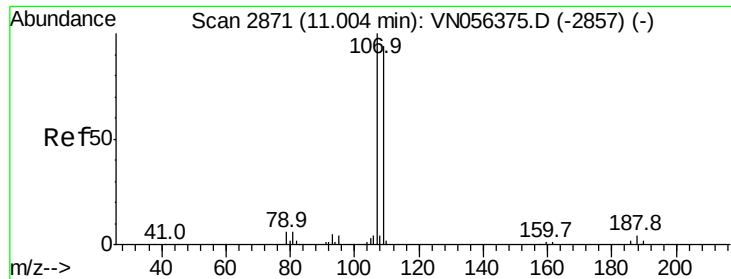
Ion 126.80 (126.50 to 127.50): VN056375.D (-2824) (-)

10.90

11.00

Time-->





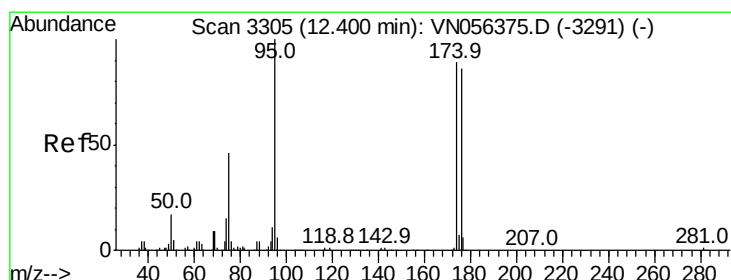
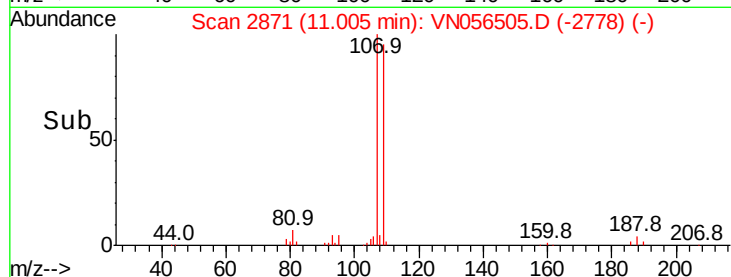
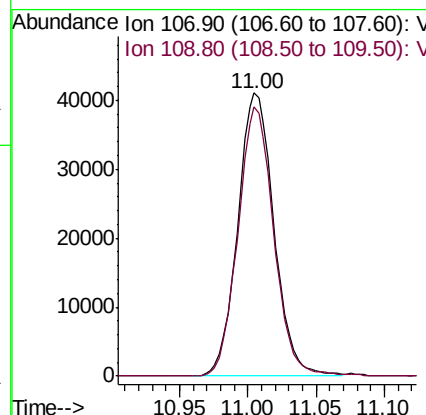
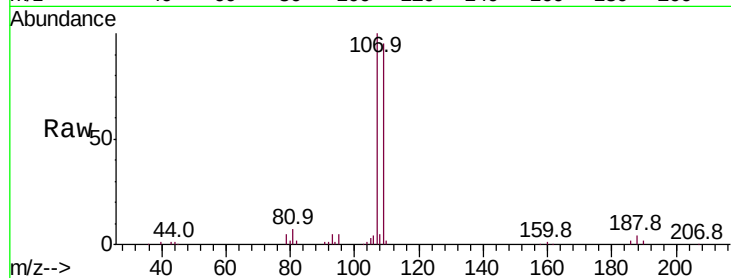
#61
 1,2-Dibromoethane
 Concen: 19.876 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.3	112.9

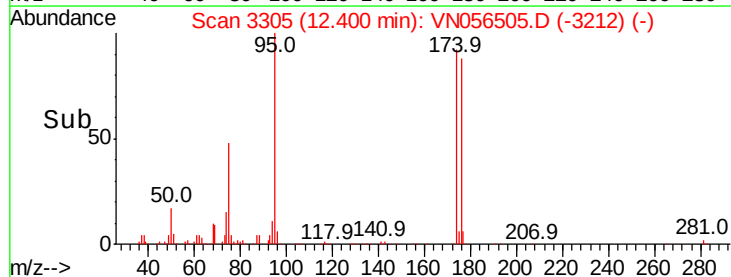
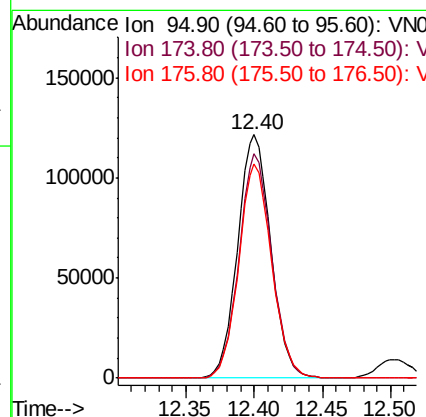
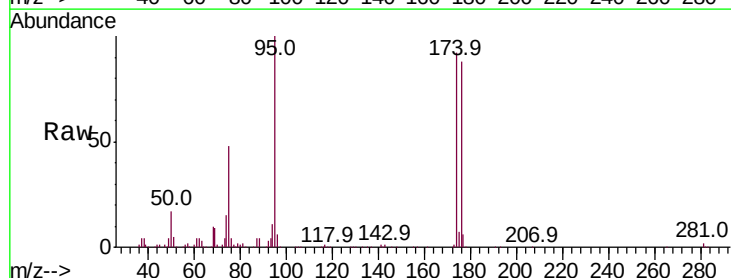
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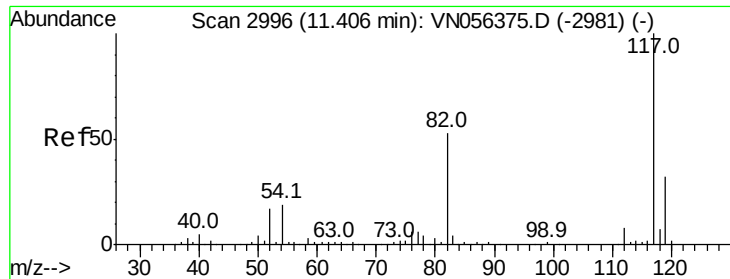
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#62
 4-Bromofluorobenzene
 Concen: 45.044 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	179.4
176	87.3	0.0	173.4





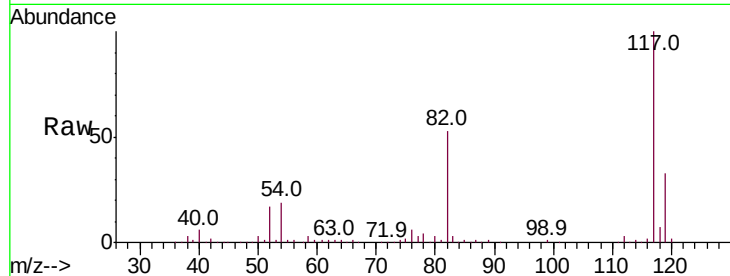
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.0	63.0
119	32.5	25.3	37.9

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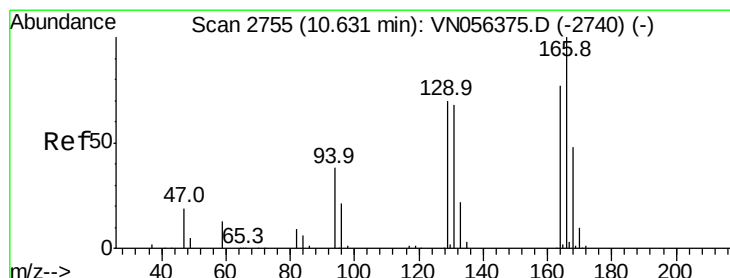
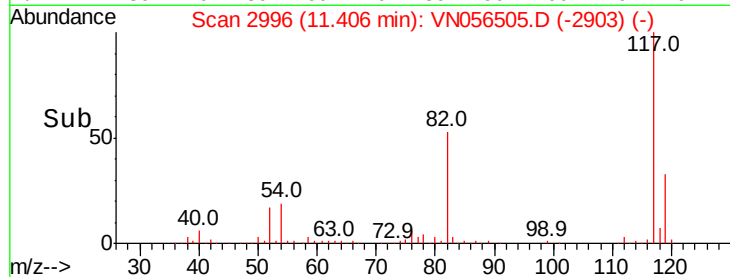
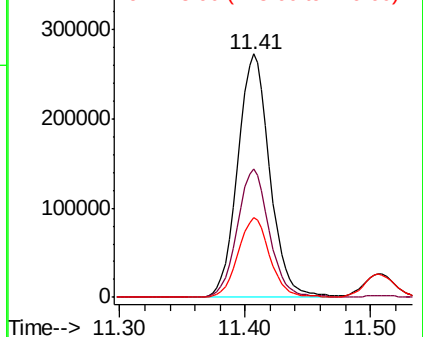


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.696 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	103.4	155.0
129	88.0	72.0	108.0
131	84.9	70.2	105.2

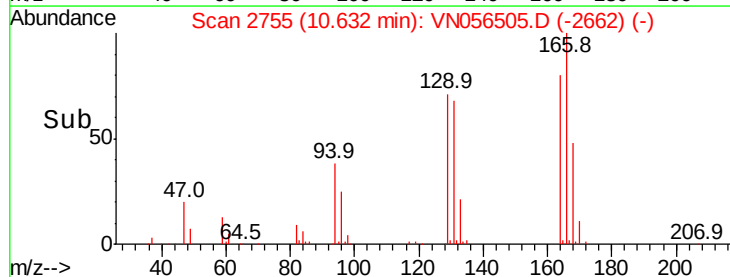
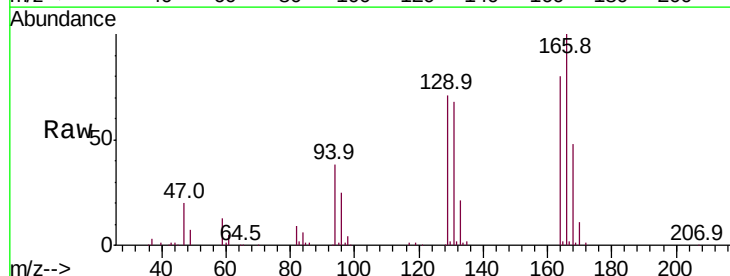
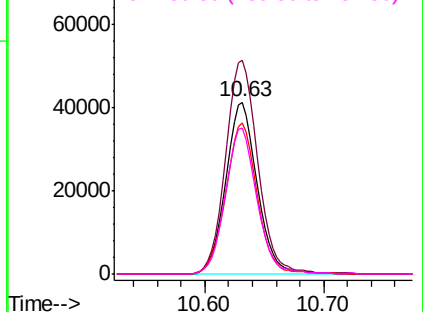
Abundance

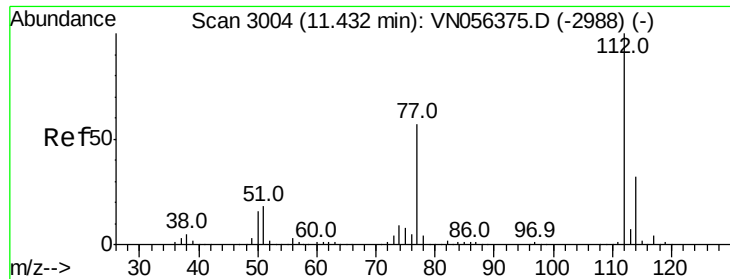
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





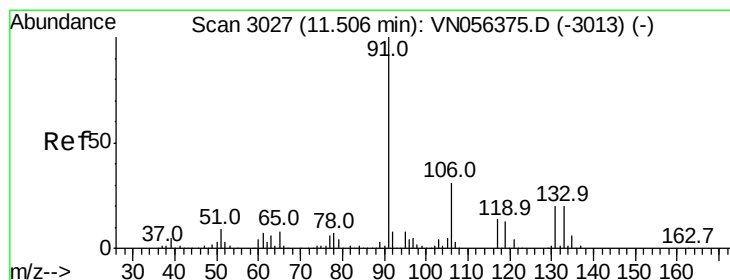
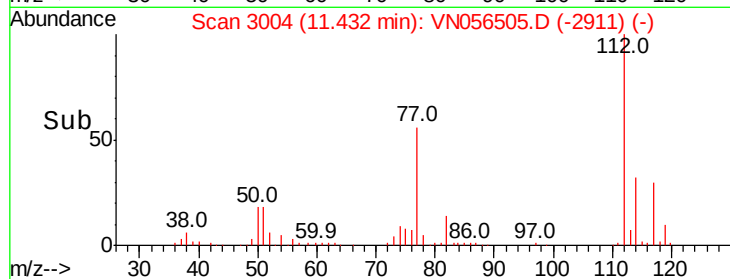
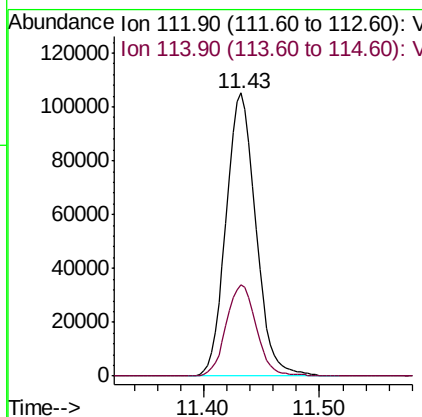
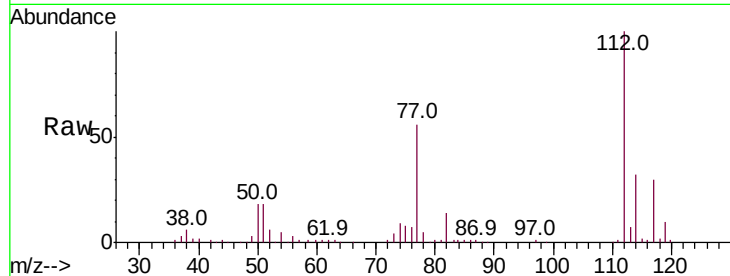
#65
Chlorobenzene
Concen: 19.143 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion:112 Resp: 186707
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2

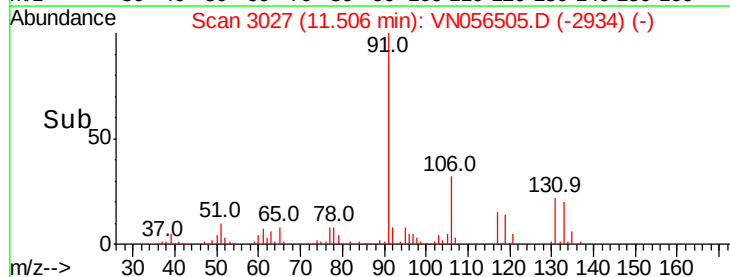
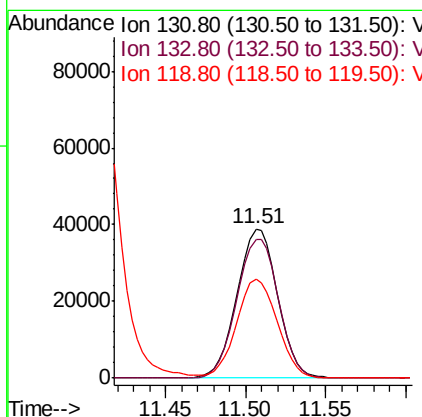
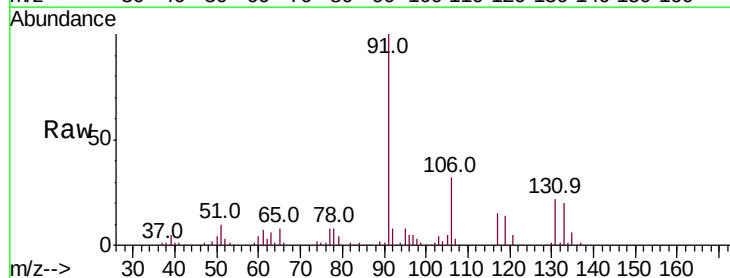
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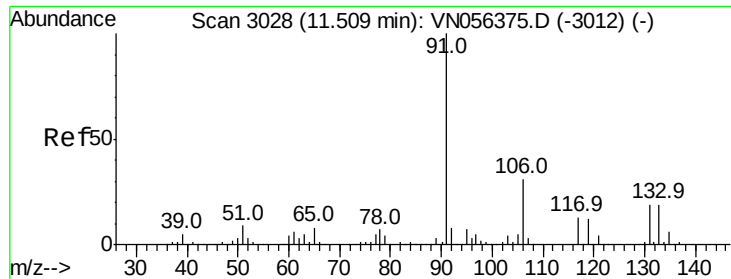
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.358 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion:131 Resp: 67108
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.2
119 66.9 32.8 98.4





#67

Ethyl Benzene

Concen: 18.826 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

VN0626WBSD01

Tot Ion: 91 Resp: 322407

Ion Ratio Lower Upper

91 100

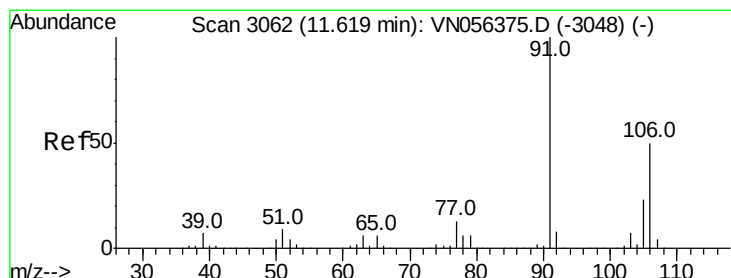
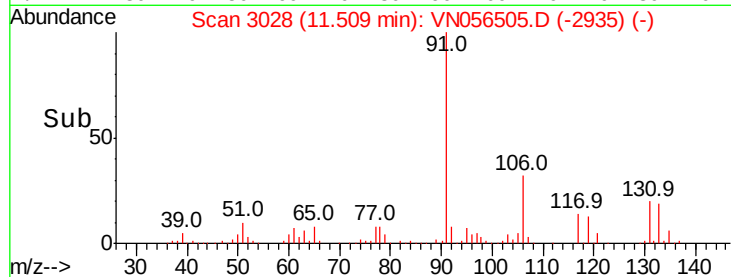
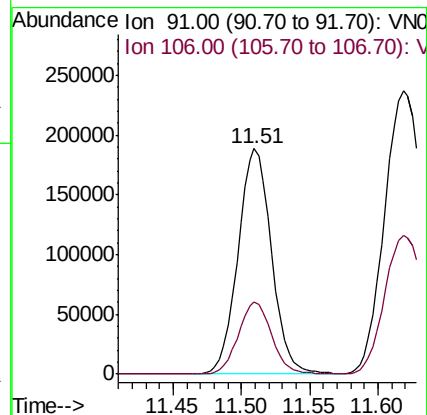
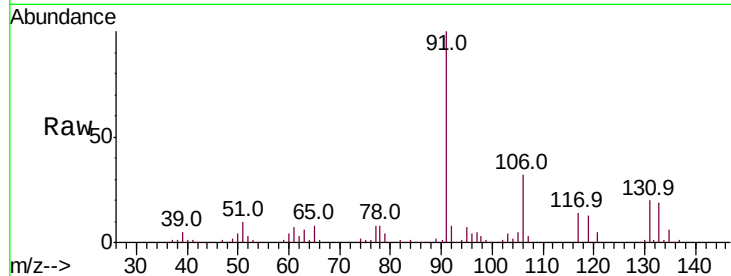
106 31.9 25.1 37.7

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#68

m/p-Xylenes

Concen: 37.722 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056505.D

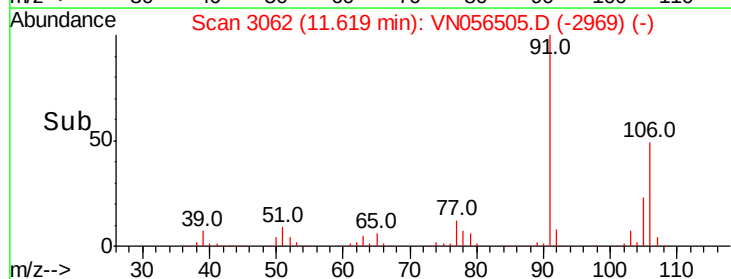
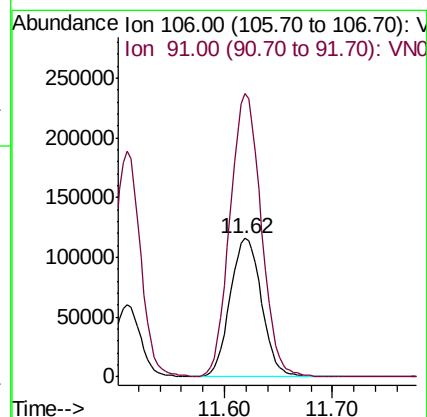
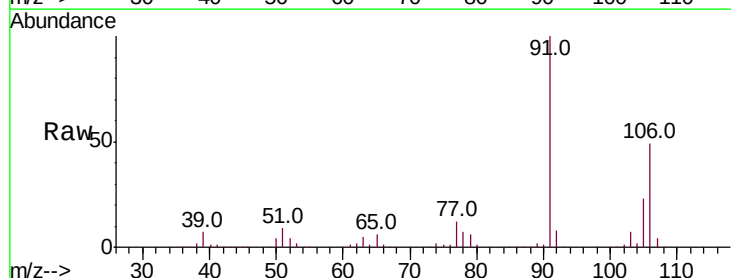
Acq: 26 Jun 2019 14:47

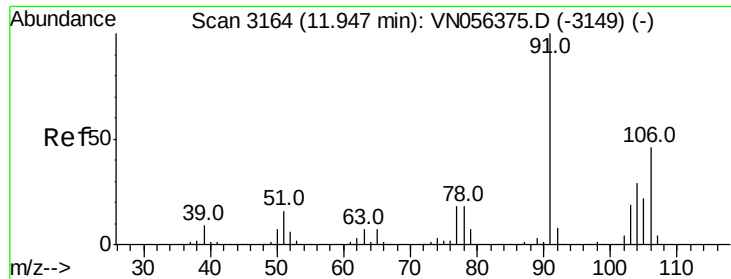
Tgt Ion: 106 Resp: 236746

Ion Ratio Lower Upper

106 100

91 202.6 160.1 240.1





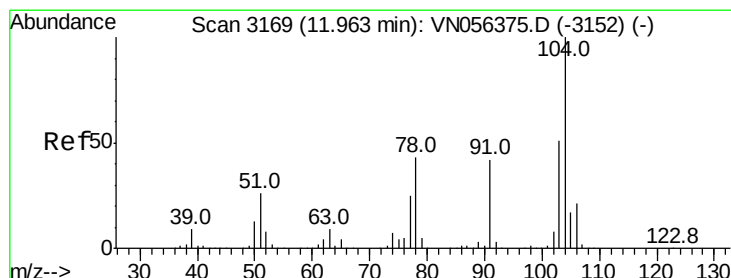
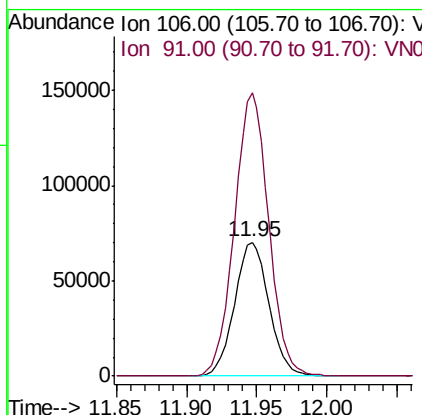
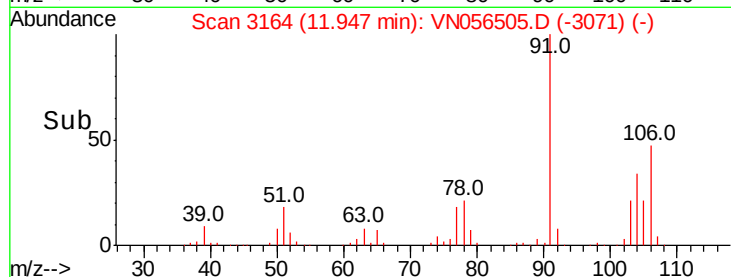
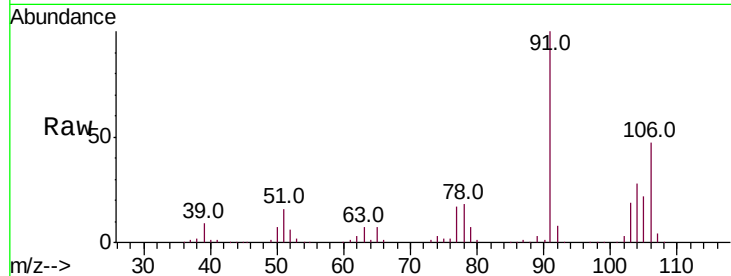
#69
o-Xylene
Concen: 19.370 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion:106 Resp: 120270
Ion Ratio Lower Upper
106 100
91 210.1 107.1 321.3

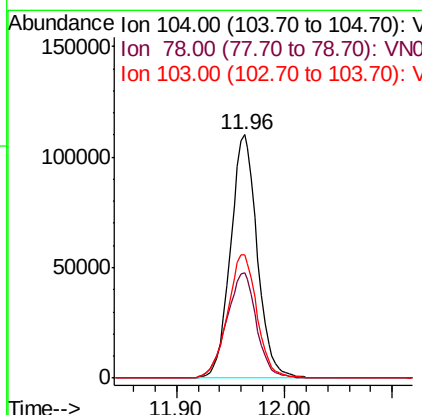
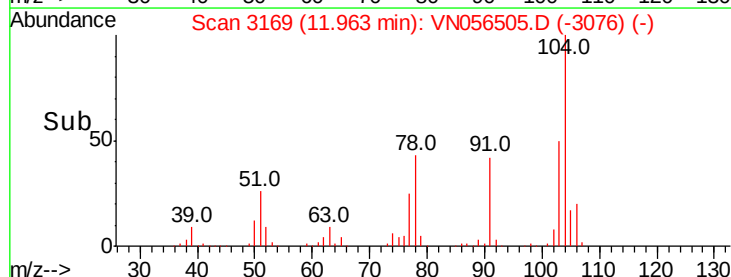
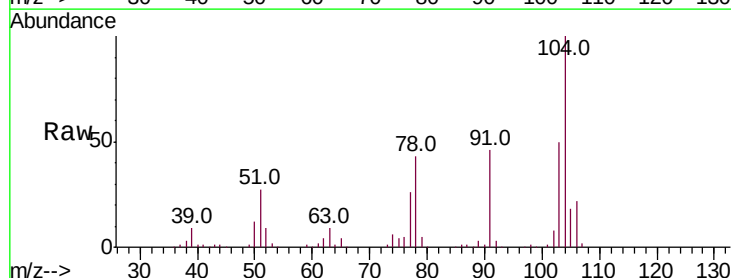
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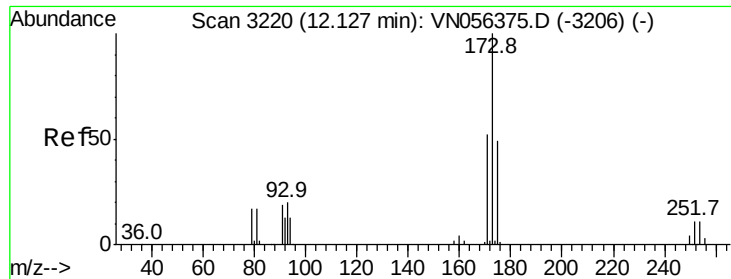
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#70
Styrene
Concen: 19.211 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion:104 Resp: 190665
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 55.9 43.9 65.9





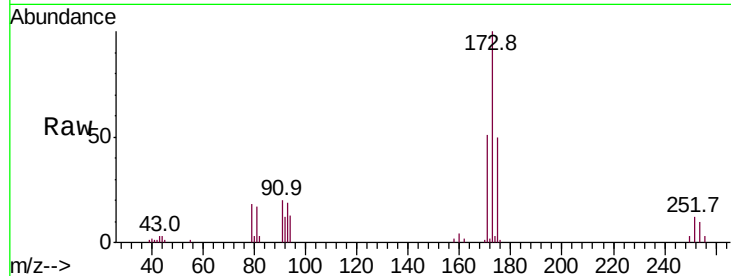
#71
Bromoform
Concen: 18.902 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

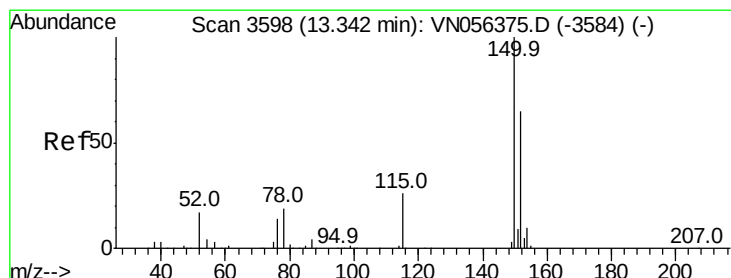
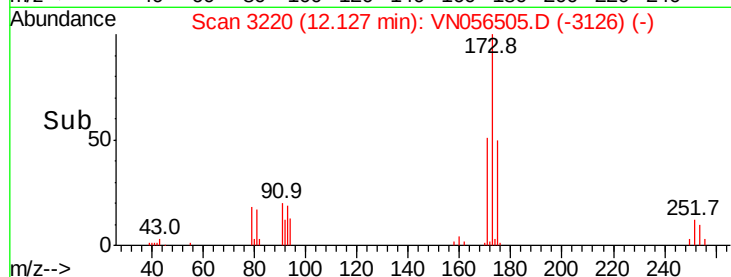
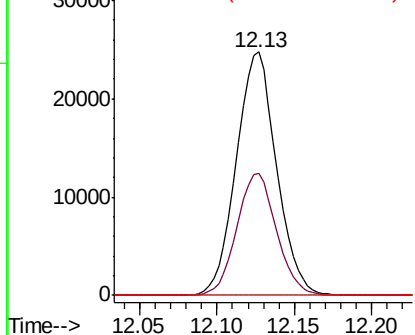
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.4
254	0.0	0.0	0.0

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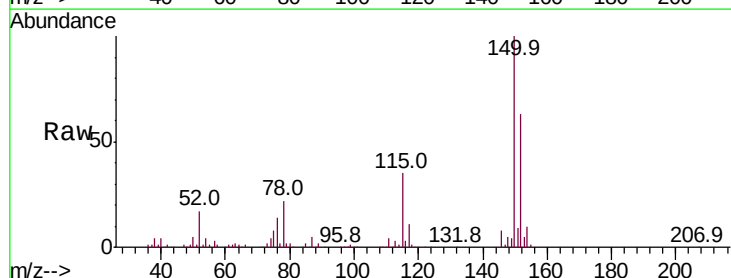


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

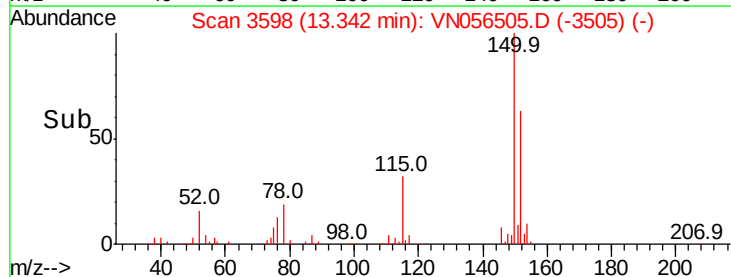
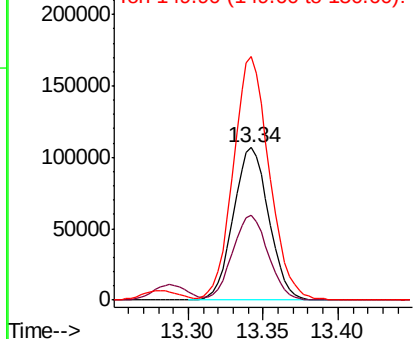


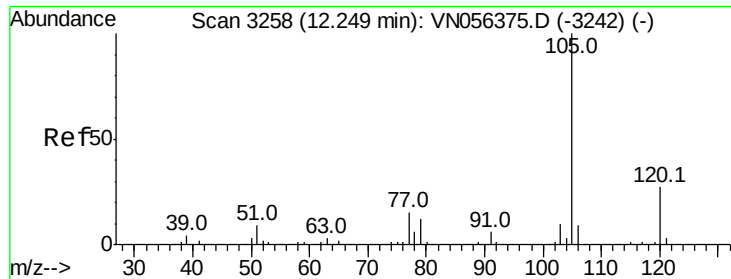
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.4
150	162.0	0.0	348.4



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





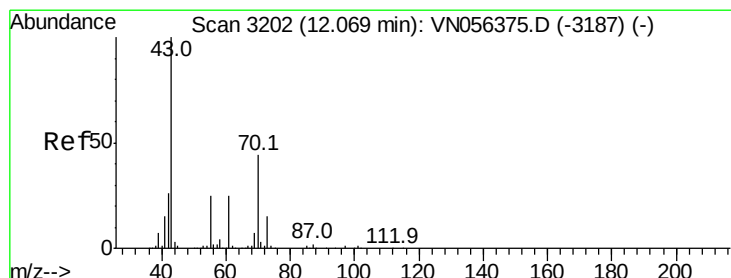
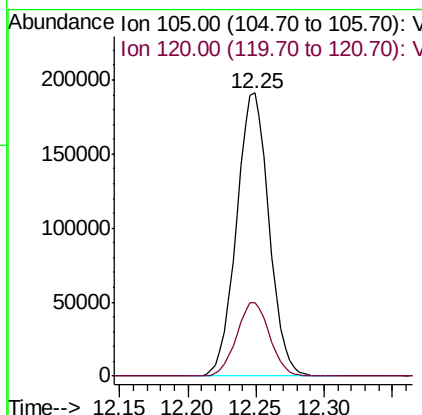
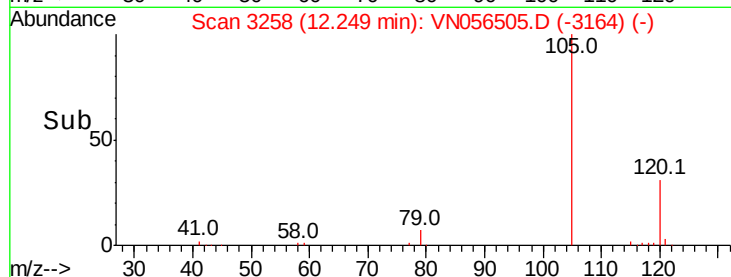
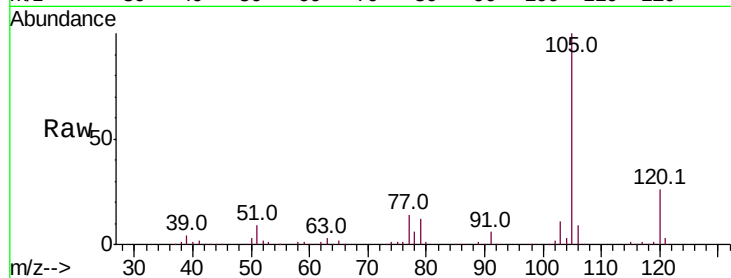
#73
Isopropylbenzene
Concen: 22.394 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.4	40.2

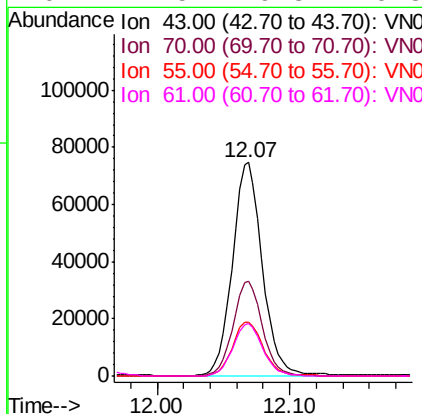
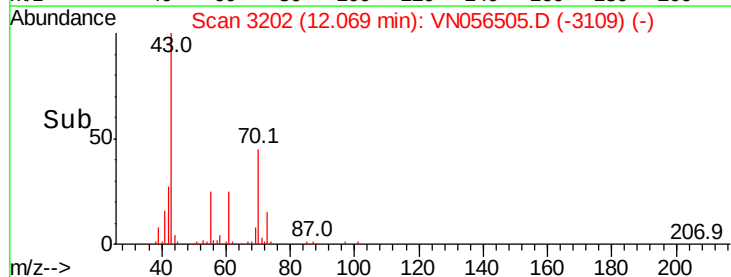
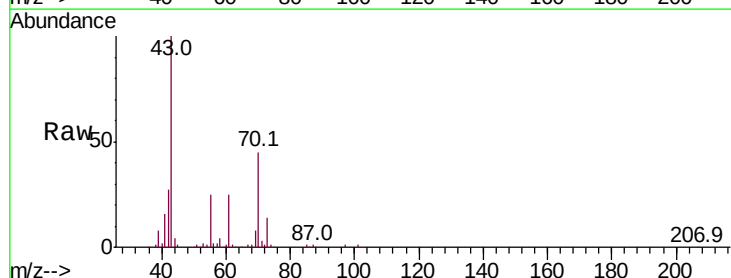
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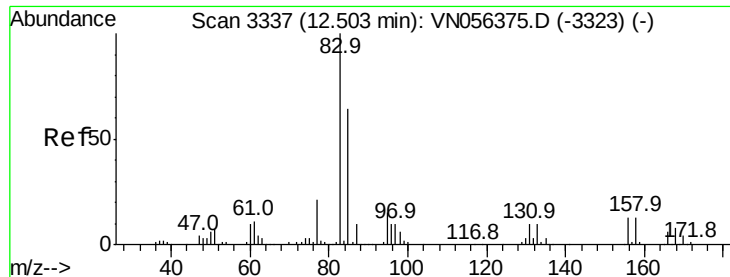
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#74
N-ethyl acetate
Concen: 20.746 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	34.9	52.3
55	26.2	20.4	30.6
61	24.5	19.8	29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 23.544 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

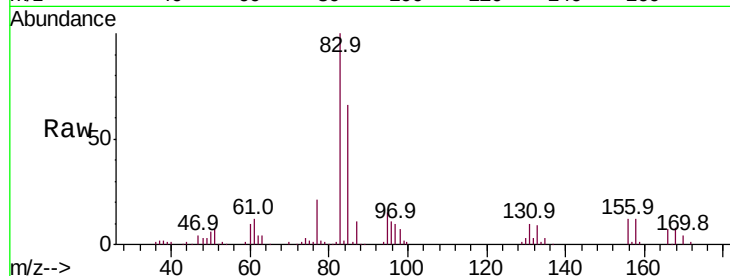
ClientSampleId :

VN0626WBSD01

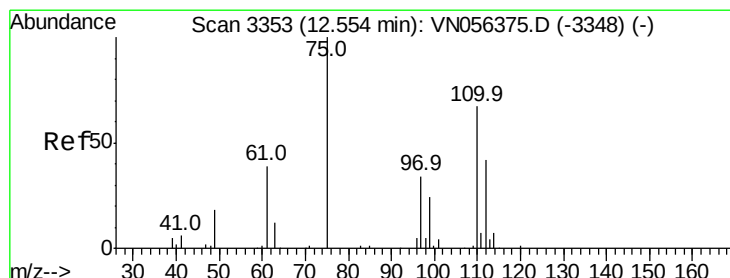
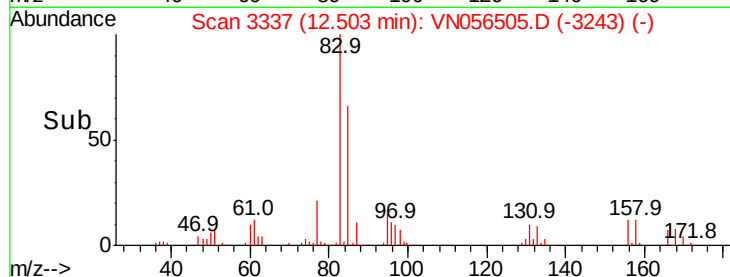
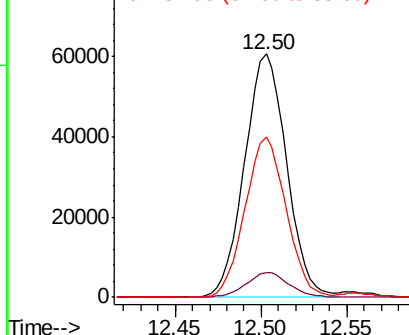
Tot Ion:	83	Resp:	103056
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	64.2	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 24.086 ug/l m

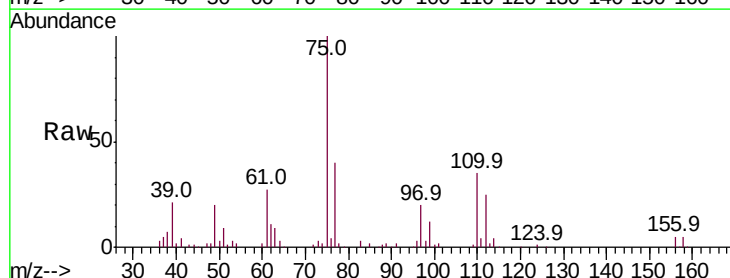
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

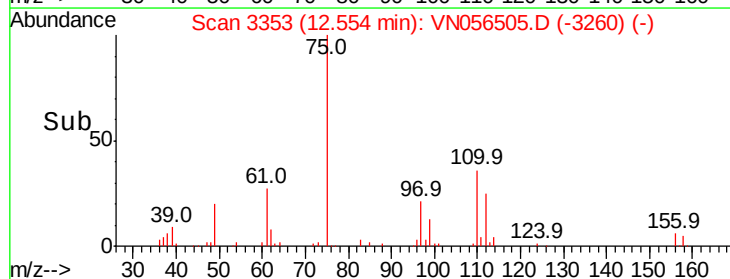
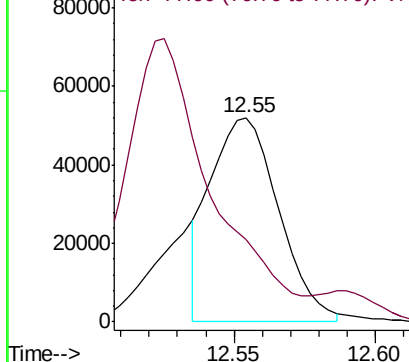
Lab File: VN056505.D

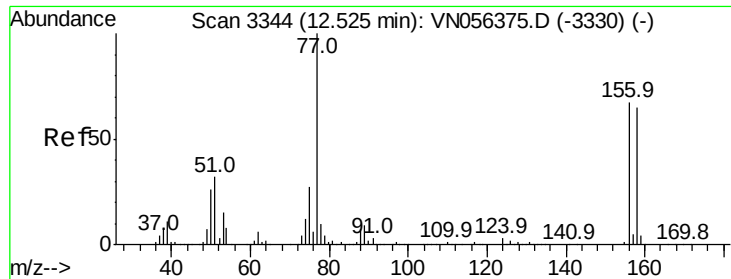
Acq: 26 Jun 2019 14:47

Tgt Ion:	75	Resp:	87940
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.672 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

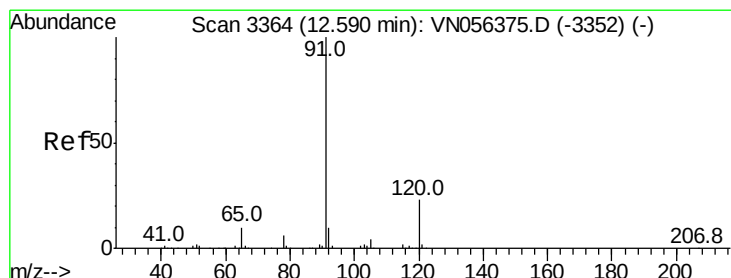
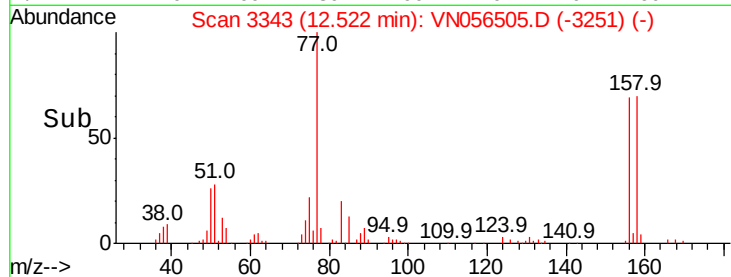
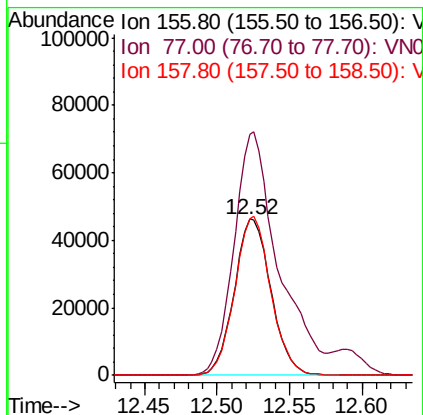
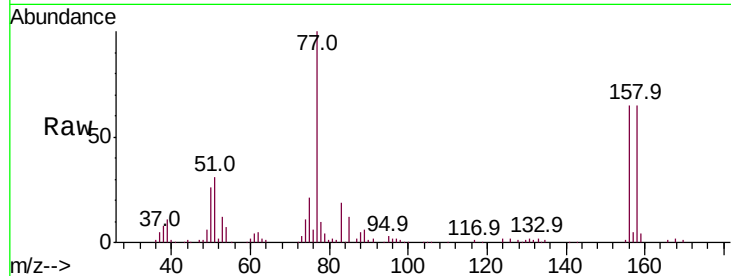
ClientSampleId :

VN0626WBSD01

Tot Ion:	156	Resp:	81390
Ion Ratio	Lower	Upper	
156	100		
77	189.1	92.5	277.3
158	99.6	48.7	146.1

Manual Integrations
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#78

n-propylbenzene

Concen: 19.800 ug/l

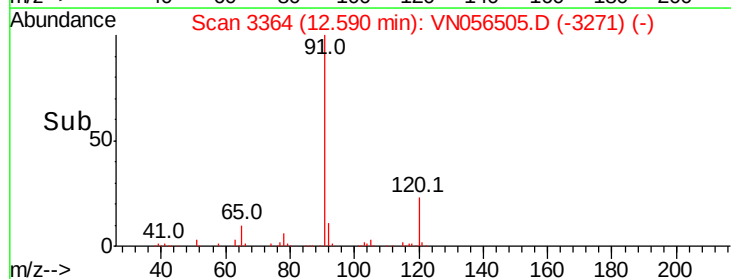
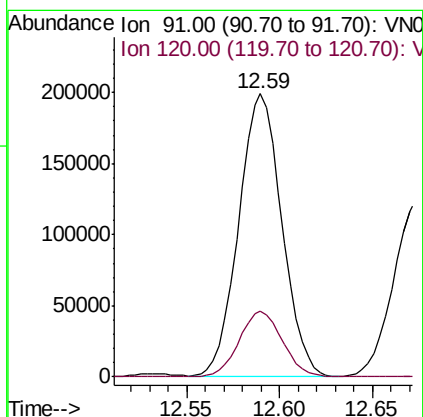
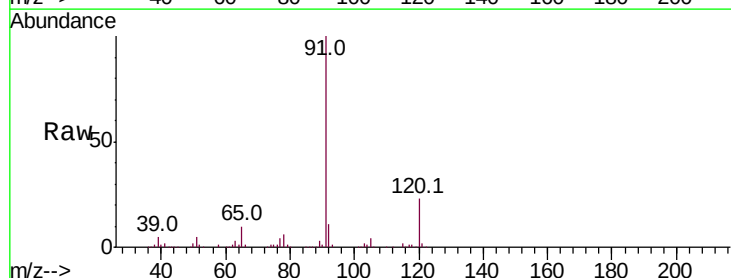
RT: 12.59 min Scan# 3364

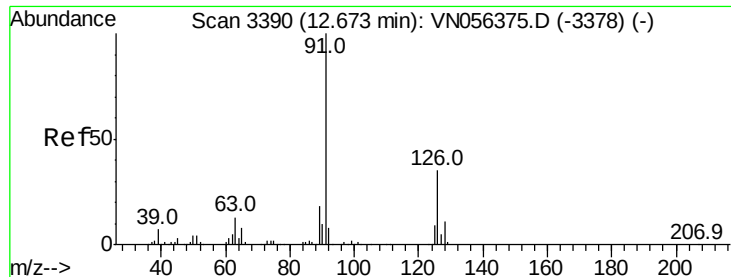
Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Tgt Ion:	91	Resp:	319272
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.8	35.4





#79

2-Chlorotoluene

Concen: 21.754 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion: 91 Resp: 204980

Ion Ratio Lower Upper

91 100

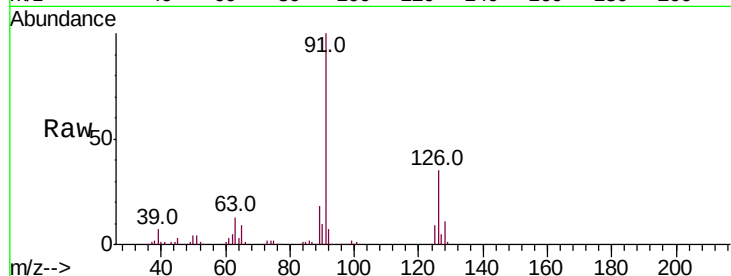
126 35.3 17.6 52.8

Manual Integrations

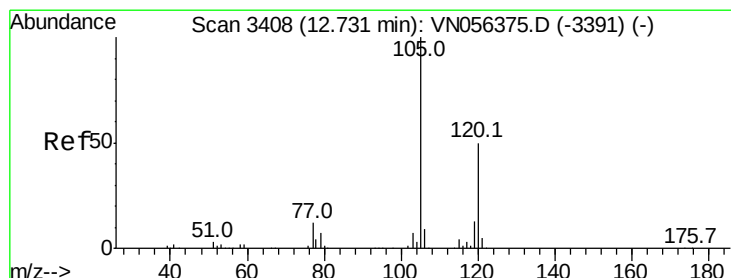
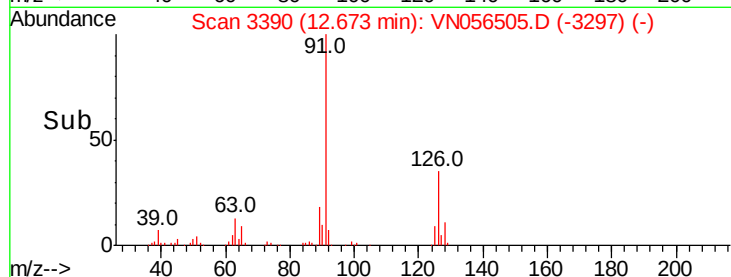
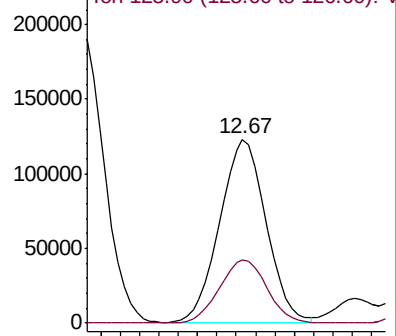
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Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.377 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056505.D

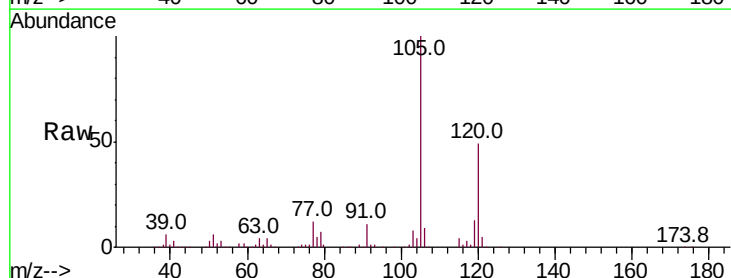
Acq: 26 Jun 2019 14:47

Tgt Ion: 105 Resp: 251220

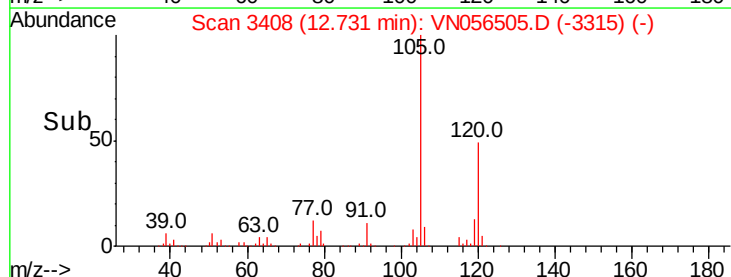
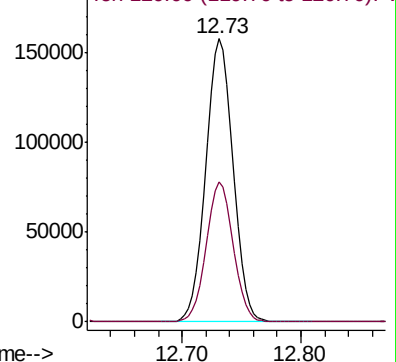
Ion Ratio Lower Upper

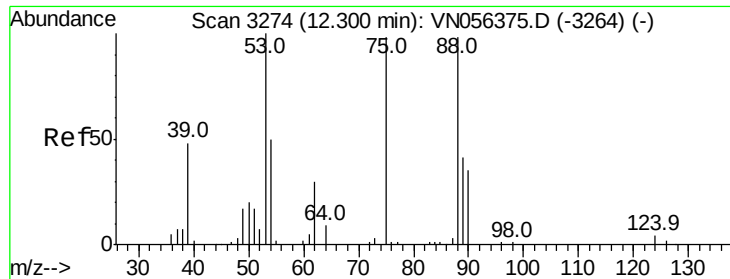
105 100

120 48.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)





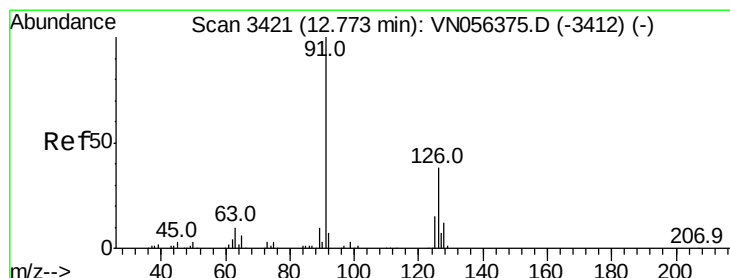
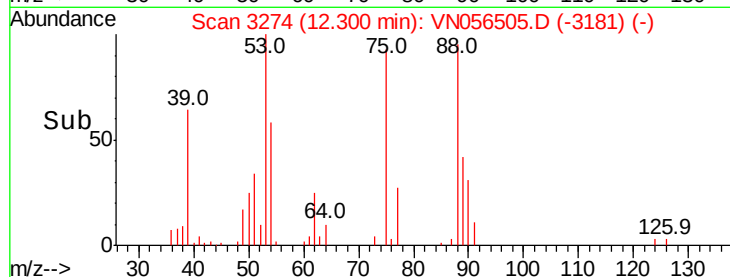
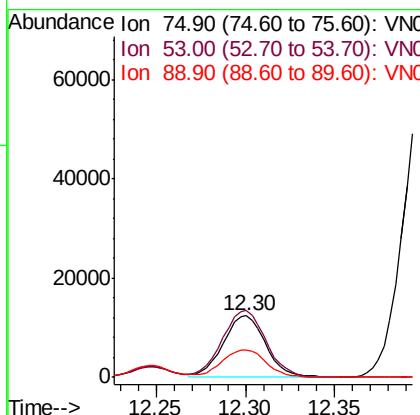
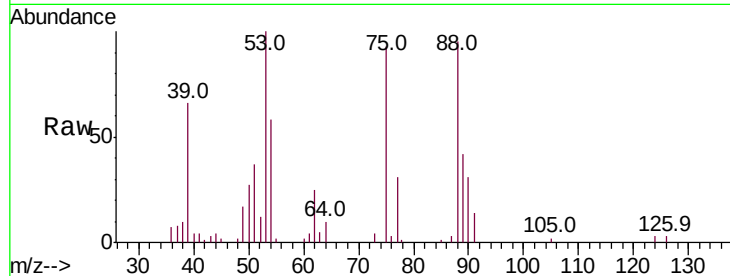
#81
trans-1,4-Dichloro-2-butene
Concen: 20.160 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.4	83.9	125.9
89	46.0	35.0	52.6

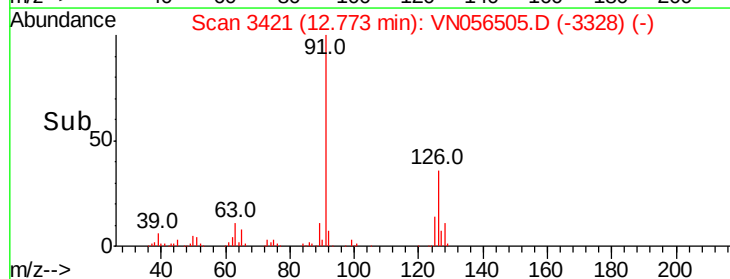
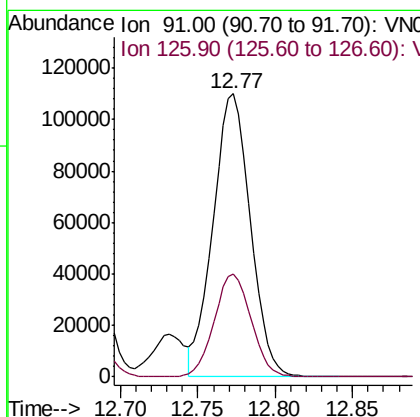
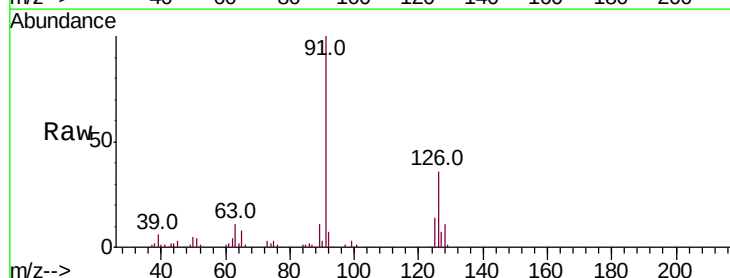
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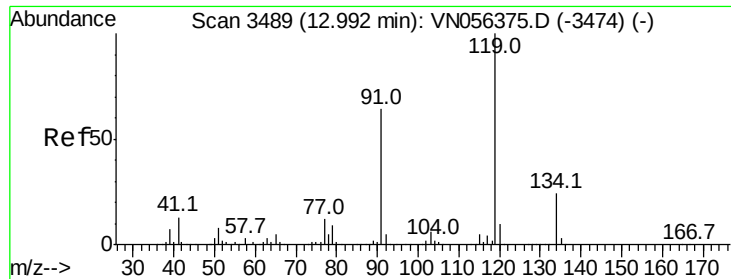
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#82
4-Chlorotoluene
Concen: 19.445 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.3	52.0





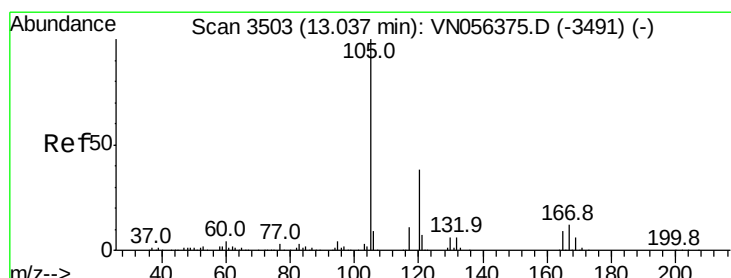
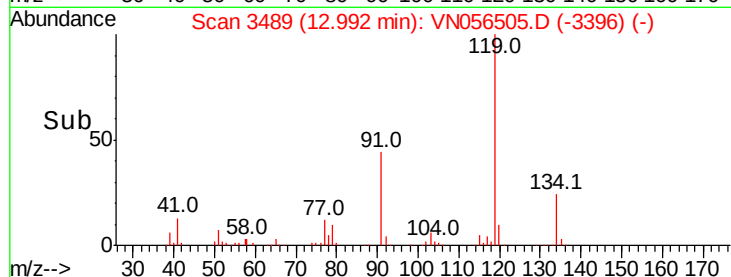
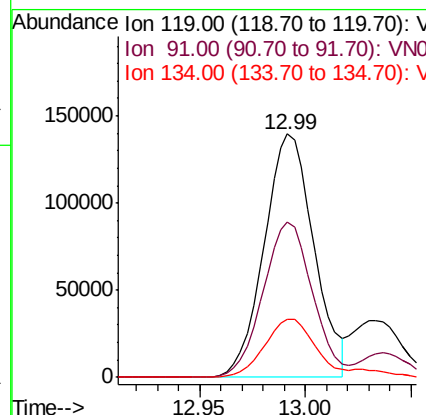
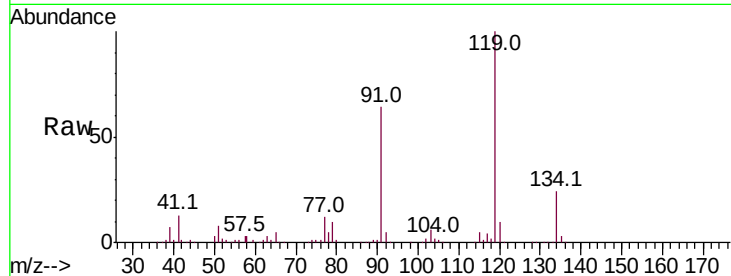
#83
 tert-Butylbenzene
 Concen: 22.191 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0626WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	229102		
91	63.7		31.6	94.7
134	24.3		13.2	39.5

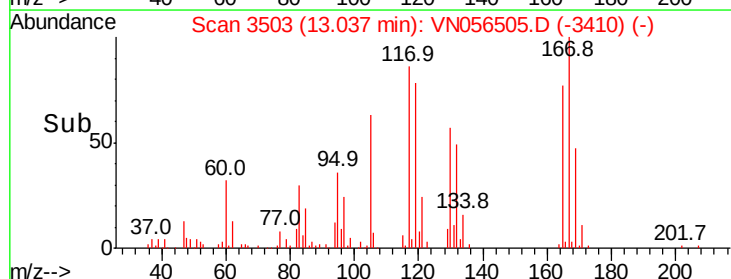
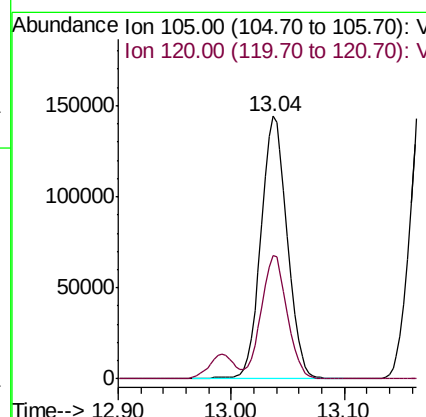
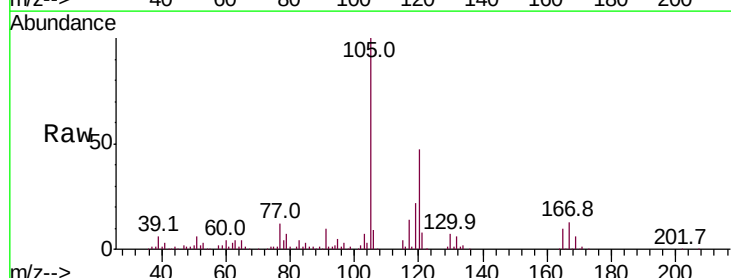
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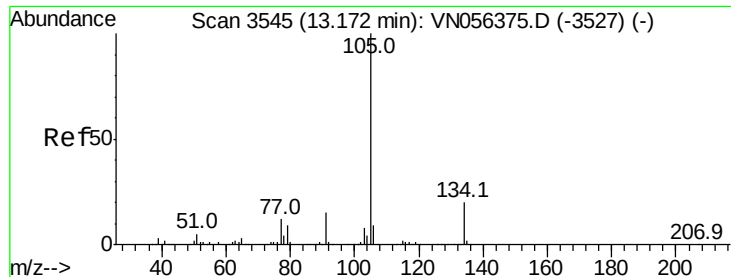
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.646 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	232880		
120	46.2		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.013 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBSD01

Tot Ion:105 Resp: 283632

Ion Ratio Lower Upper

105 100

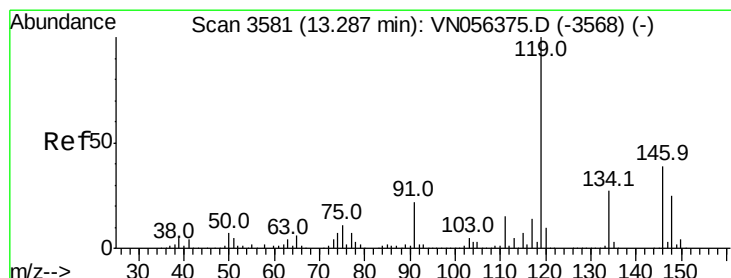
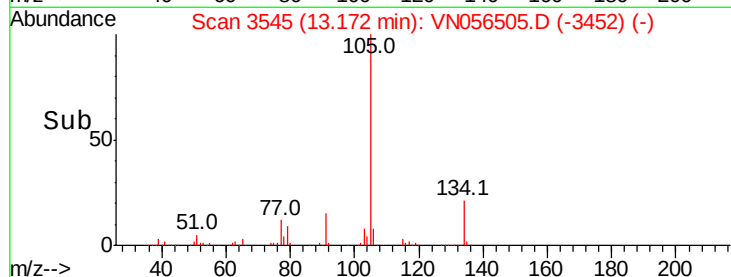
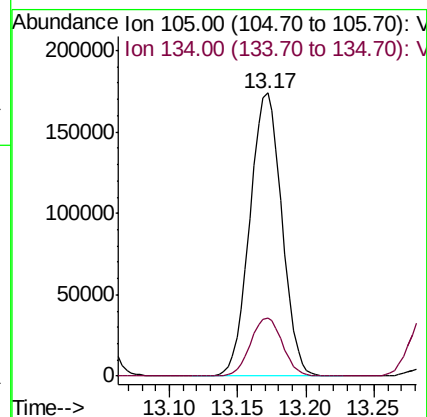
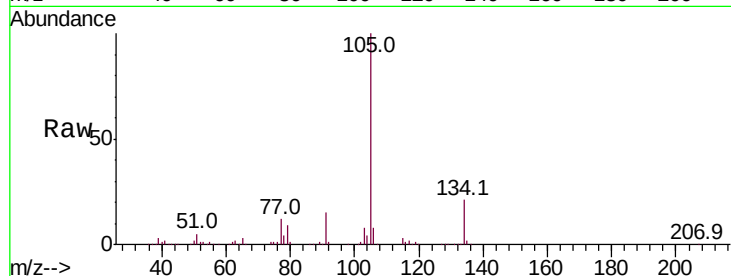
134 20.5 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 19.334 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

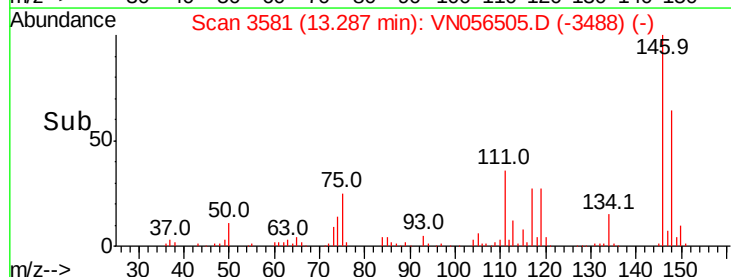
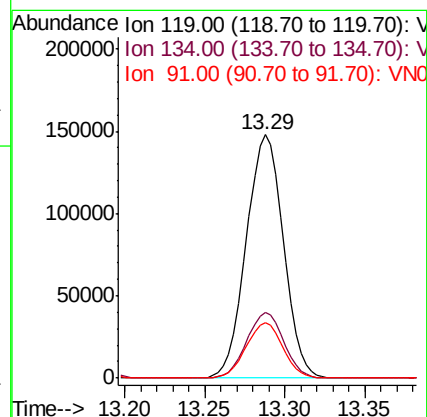
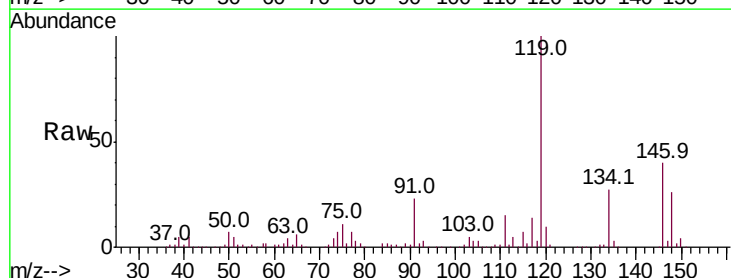
Tgt Ion:119 Resp: 235166

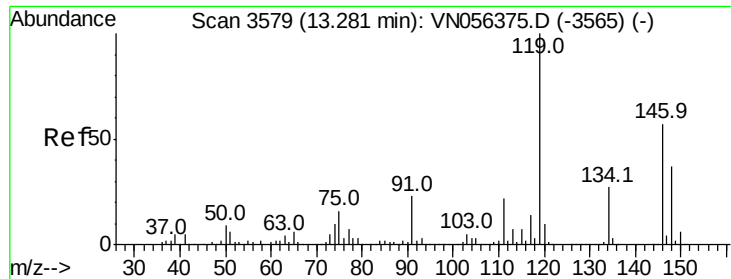
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.273 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

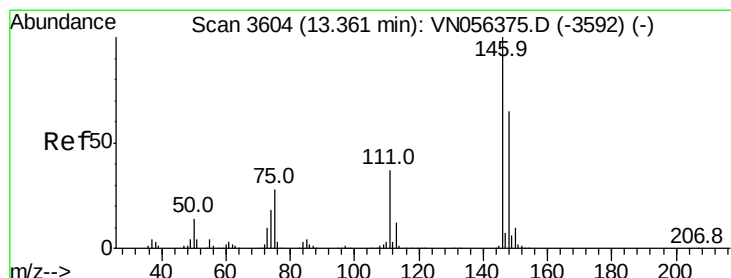
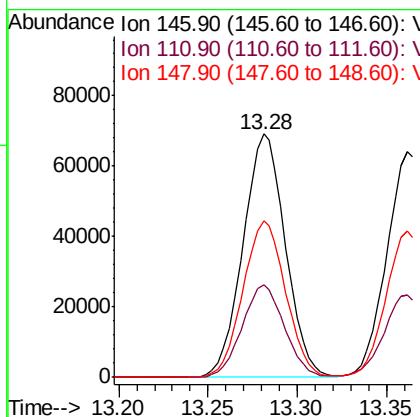
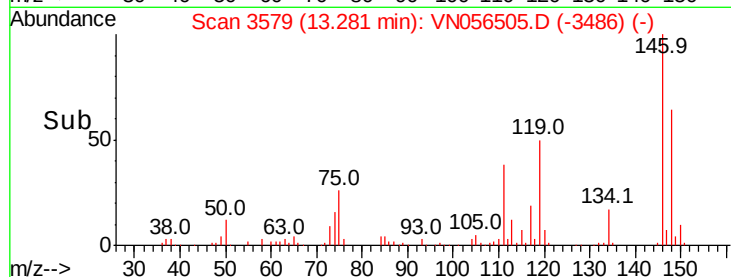
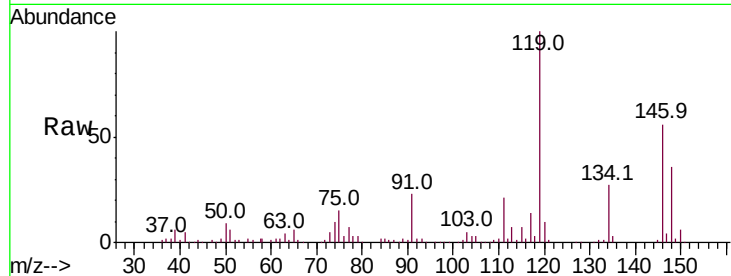
ClientSampleId :

VN0626WBSD01

Tot Ion:	146	Resp:	114995
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.9
148	64.9	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 18.740 ug/l

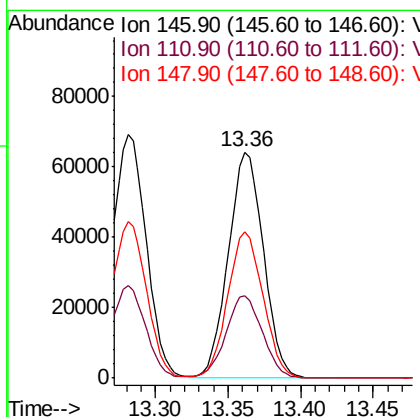
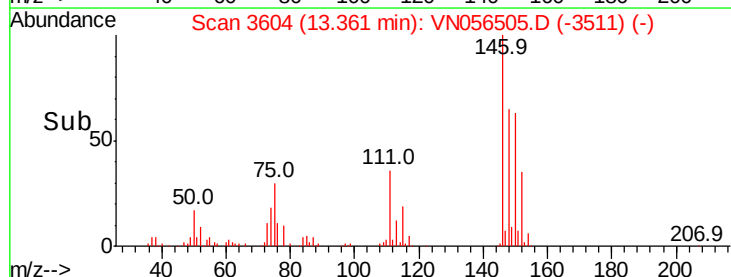
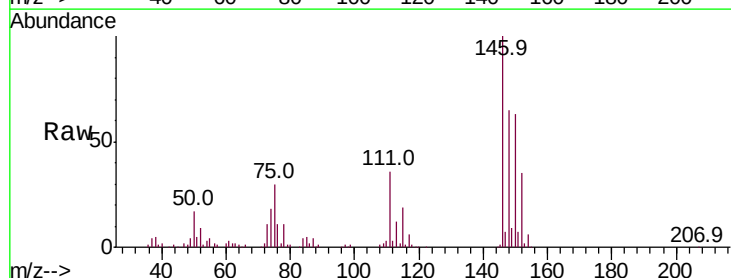
RT: 13.36 min Scan# 3604

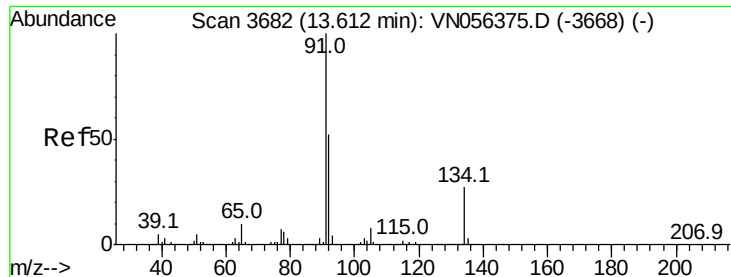
Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Tgt Ion:	146	Resp:	108289
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.4	55.4
148	65.0	32.4	97.0





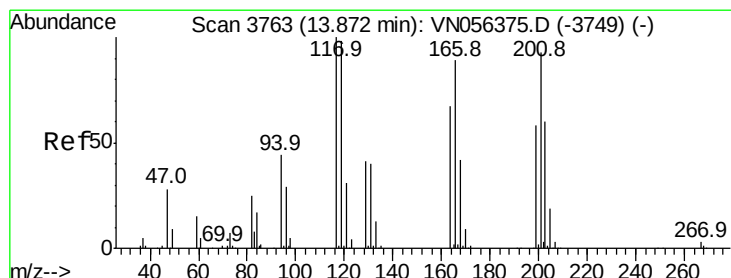
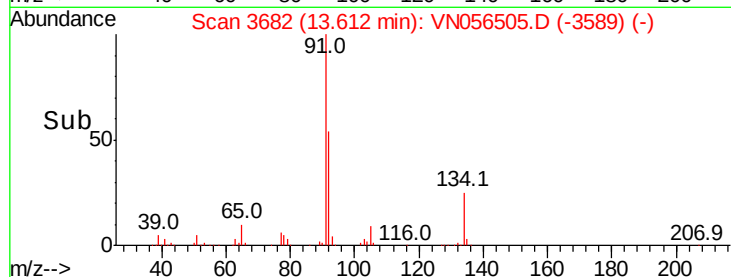
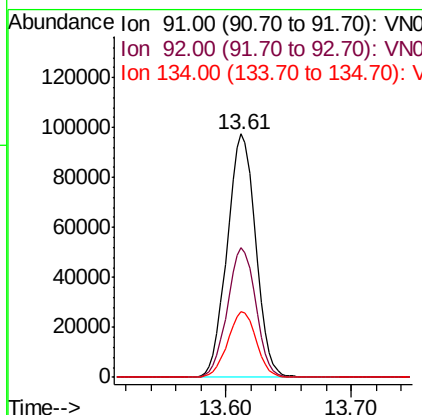
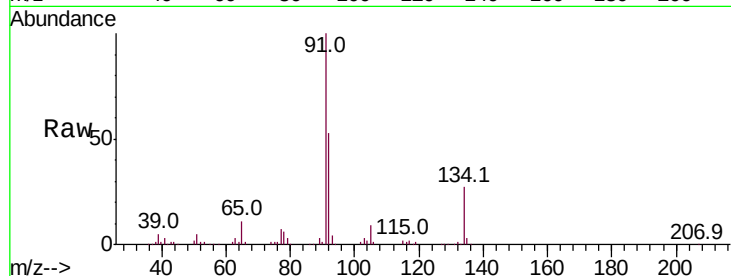
#89
n-Butylbenzene
Concen: 16.704 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	26.9	13.4	40.2

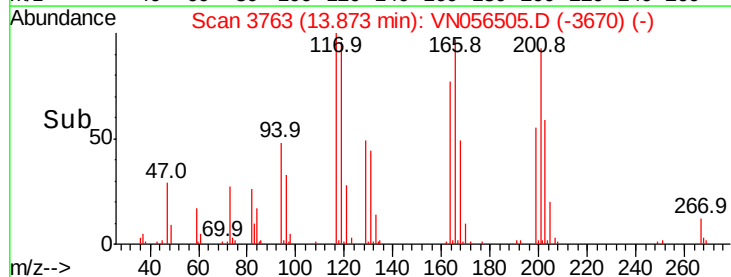
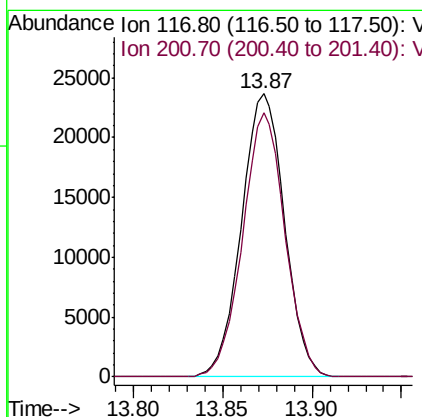
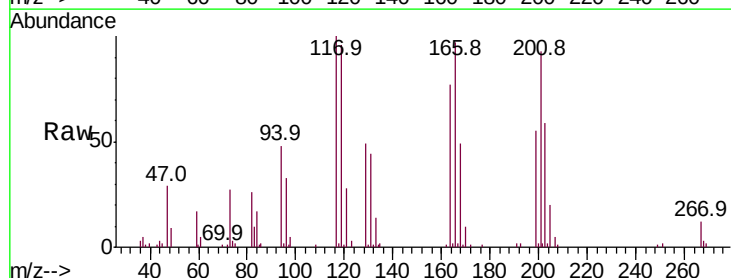
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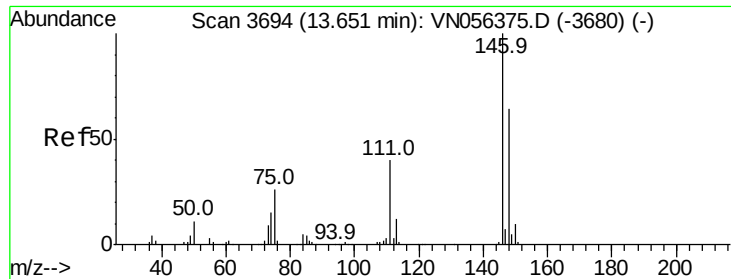
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#90
Hexachloroethane
Concen: 20.987 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.8	45.9	137.6





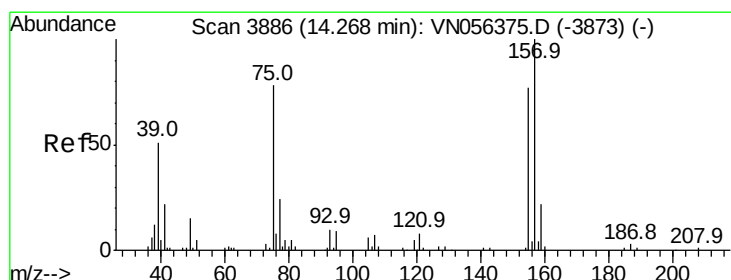
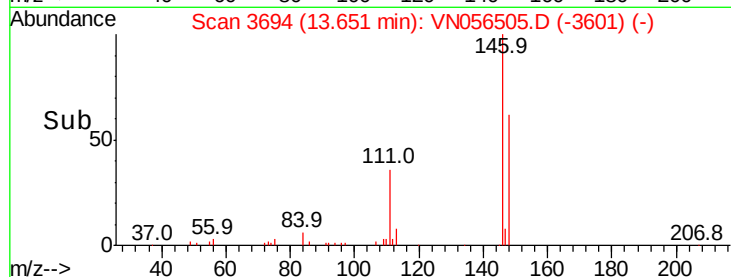
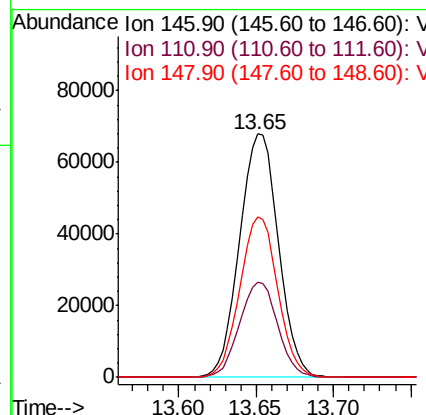
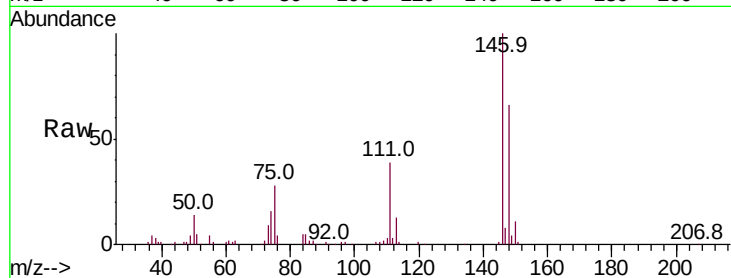
#91
 1,2-Dichlorobenzene
 Concen: 20.053 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	64.5	32.0	96.0

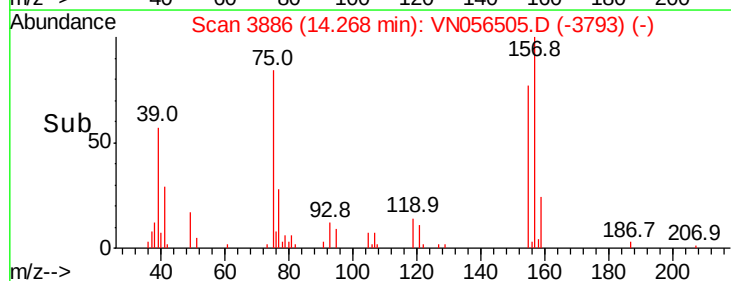
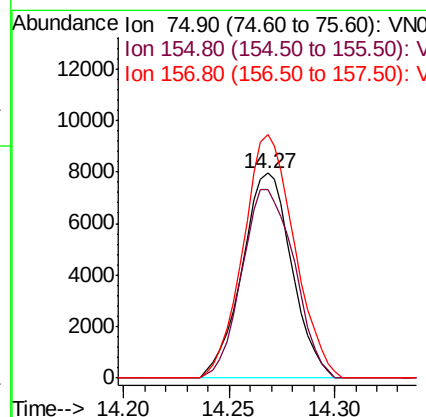
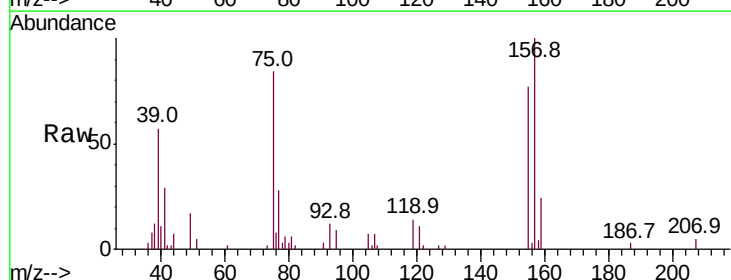
Manual Integrations
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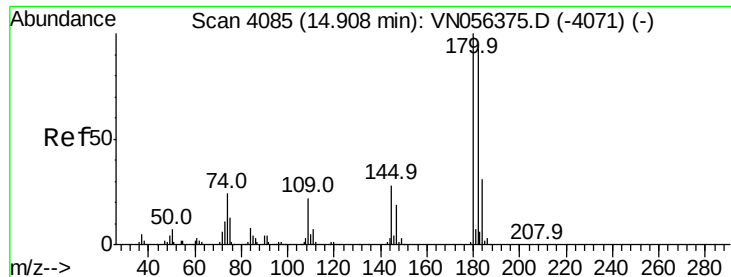
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.019 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	48.9	146.8
157	122.3	62.9	188.8





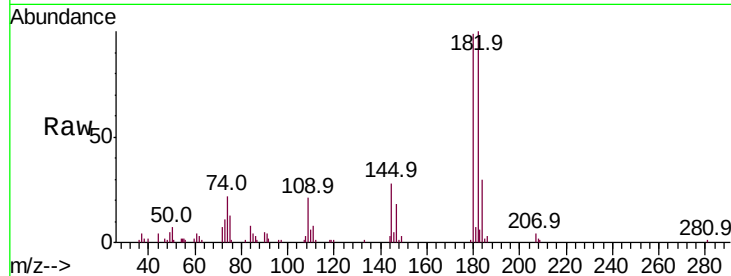
#93
1,2,4-Trichlorobenzene
Concen: 15.443 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

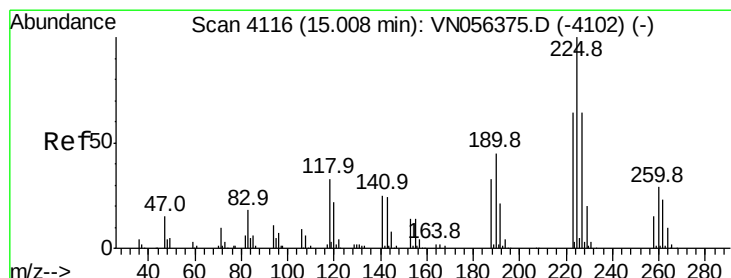
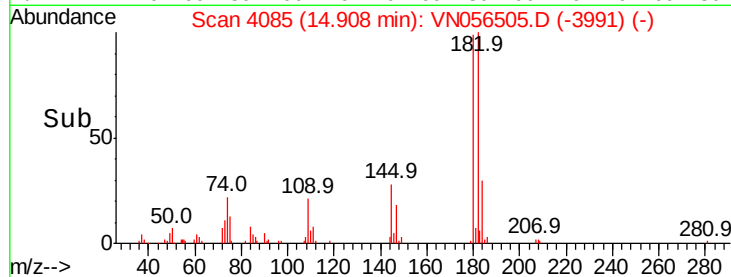
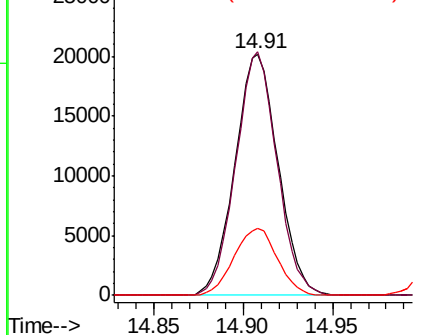
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	46.9	140.6	
145	28.0	14.4	43.0	

Manual Integrations
APPROVED

MMDadoda
6/29/2019 7:22:51 AM

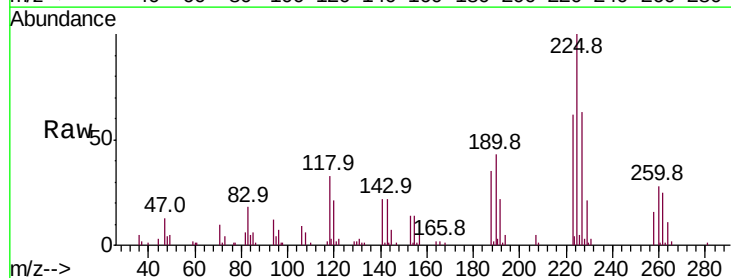


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

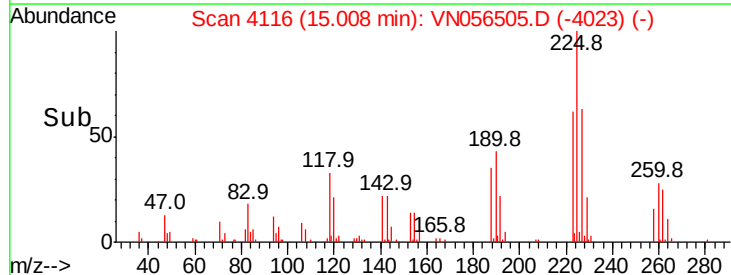
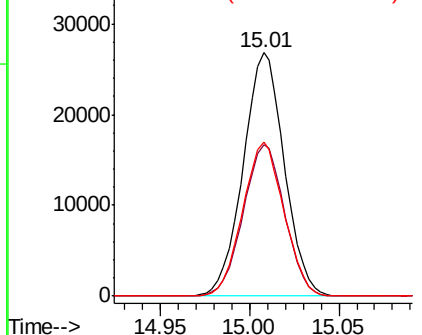


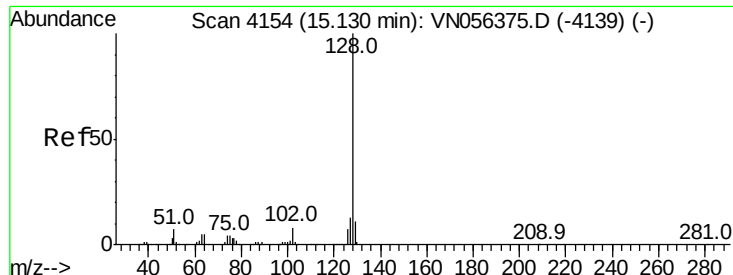
#94
Hexachlorobutadiene
Concen: 20.469 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.4	94.3	
227	63.3	32.1	96.3	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





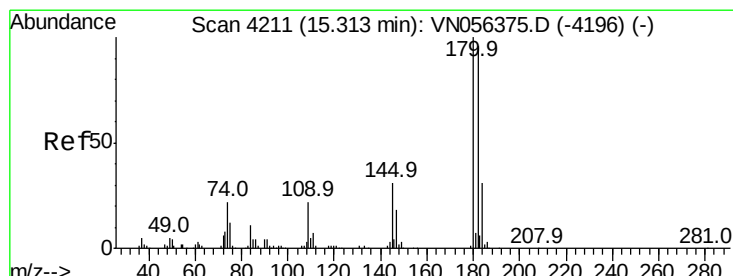
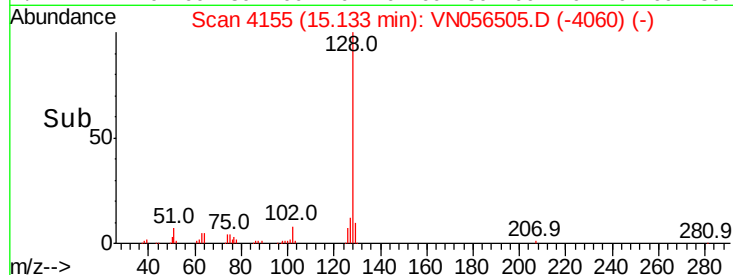
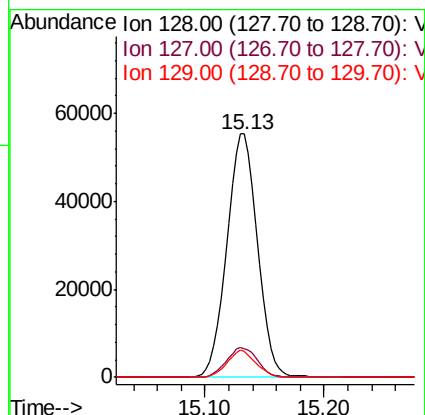
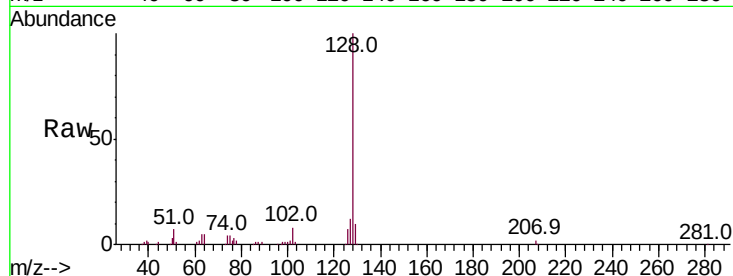
#95
Naphthalene
Concen: 16.198 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/29/2019 7:22:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.121 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.3	144.8
145	29.5	15.4	46.1

