

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062619\
 Data File : VN056495.D
 Acq On : 26 Jun 2019 10:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/29/2019 7:22:49 AM

Quant Time: Jun 27 07:47:06 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	355997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	538782	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	476788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	196408	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.59	113	174098	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.09	98	652527	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	227615	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	141118	46.815	ug/l	100
3) Chloromethane	2.06	50	178089	43.389	ug/l	100
4) Vinyl Chloride	2.18	62	181570	45.802	ug/l	99
5) Bromomethane	2.53	94	119209m	51.294	ug/l	
6) Chloroethane	2.68	64	108299	47.174	ug/l	98
7) Trichlorofluoromethane	3.00	101	250529	48.855	ug/l	99
8) Diethyl Ether	3.41	74	103965	47.905	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163706	50.060	ug/l	99
10) Methyl Iodide	3.95	142	217414	49.190	ug/l	100
11) Tert butyl alcohol	4.79	59	159888	240.603	ug/l	99
12) 1,1-Dichloroethene	3.73	96	150180	47.755	ug/l	97
13) Acrolein	3.60	56	103473	184.747	ug/l	100
14) Allyl chloride	4.32	41	261852	50.020	ug/l	100
15) Acrylonitrile	4.99	53	453518	246.688	ug/l	100
16) Acetone	3.82	43	476579	241.089	ug/l	99
17) Carbon Disulfide	4.05	76	302348	42.270	ug/l	100
18) Methyl Acetate	4.32	43	192513	49.718	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	521626	50.127	ug/l	99
20) Methylene Chloride	4.54	84	183139	49.130	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	164370	48.479	ug/l	97
22) Diisopropyl ether	5.95	45	564625	51.357	ug/l	95
23) Vinyl Acetate	5.89	43	2295569	264.727	ug/l	100
24) 1,1-Dichloroethane	5.84	63	316007	50.072	ug/l	100
25) 2-Butanone	6.83	43	642438	245.555	ug/l	100
26) 2,2-Dichloropropane	6.82	77	236242	53.822	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	199200	50.217	ug/l	99
28) Bromochloromethane	7.19	49	155614	49.851	ug/l	99
29) Tetrahydrofuran	7.21	42	398644	249.337	ug/l	98
30) Chloroform	7.37	83	318201	51.097	ug/l	100
31) Cyclohexane	7.65	56	278325	45.681	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	255490	51.759	ug/l	100
36) 1,1-Dichloropropene	7.79	75	227858	48.048	ug/l	98
37) Ethyl Acetate	6.93	43	241827	51.890	ug/l	99
38) Carbon Tetrachloride	7.77	117	210541	50.769	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	281313	48.075	ug/l	100
40) Benzene	8.04	78	721387	49.454	ug/l	98
41) Methacrylonitrile	7.18	41	109812m	53.360	ug/l	
42) 1,2-Dichloroethane	8.12	62	234890	48.792	ug/l	100
43) Isopropyl Acetate	8.16	43	380328	52.925	ug/l #	92
44) Trichloroethene	8.83	130	194635	49.533	ug/l	95
45) 1,2-Dichloropropane	9.12	63	199107	51.038	ug/l	100
46) Dibromomethane	9.21	93	126266	51.733	ug/l	99
47) Bromodichloromethane	9.40	83	235689	54.448	ug/l	98
48) Methyl methacrylate	9.20	41	186336	51.743	ug/l	96
49) 1,4-Dioxane	9.20	88	76020	1017.236	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	1181239	254.674	ug/l	100
52) Toluene	10.15	92	445339	49.936	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	249800	49.573	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	291347	55.891	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	186881	52.132	ug/l	98
56) Ethyl methacrylate	10.43	69	276519	52.782	ug/l	100
57) 1,3-Dichloropropane	10.71	76	309912	51.462	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	419834	223.070	ug/l	100
59) 2-Hexanone	10.75	43	847908	248.730	ug/l	99
60) Dibromochloromethane	10.90	129	186725	50.644	ug/l	98
61) 1,2-Dibromoethane	11.00	107	190104	51.923	ug/l	100
64) Tetrachloroethene	10.63	164	191258	50.654	ug/l	99
65) Chlorobenzene	11.43	112	485272	50.653	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	180805	55.839	ug/l	100
67) Ethyl Benzene	11.51	91	853280	50.725	ug/l	100
68) m/p-Xylenes	11.62	106	642381	104.201	ug/l	100
69) o-Xylene	11.95	106	313570	51.413	ug/l	99
70) Styrene	11.96	104	525185	53.871	ug/l	99
71) Bromoform	12.13	173	130619	50.004	ug/l #	98
73) Isopropylbenzene	12.25	105	839521	54.219	ug/l	100
74) N-amyl acetate	12.07	43	310654	47.151	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	259558	54.177	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	222887m	51.924	ug/l	
77) Bromobenzene	12.53	156	219400	47.398	ug/l	98
78) n-propylbenzene	12.59	91	916803	48.360	ug/l	100
79) 2-Chlorotoluene	12.67	91	561727	54.252	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	696746	53.644	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	67326	55.745	ug/l	93
82) 4-Chlorotoluene	12.77	91	539529	48.200	ug/l	99
83) tert-Butylbenzene	12.99	119	617279	54.629	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	678567	48.691	ug/l	99
85) sec-Butylbenzene	13.17	105	808793	48.539	ug/l	99
86) p-Isopropyltoluene	13.29	119	711534	49.757	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	355268	50.645	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	340128	50.065	ug/l	99
89) n-Butylbenzene	13.61	91	532380	49.178	ug/l	99
90) Hexachloroethane	13.87	117	116398	52.210	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	350928	50.422	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39022	50.943	ug/l	99

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Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	149039	42.118	ug/l	99
94) Hexachlorobutadiene	15.01	225	133132	56.697	ug/l	100
95) Naphthalene	15.13	128	371046	40.307	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	161458	43.621	ug/l	99

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

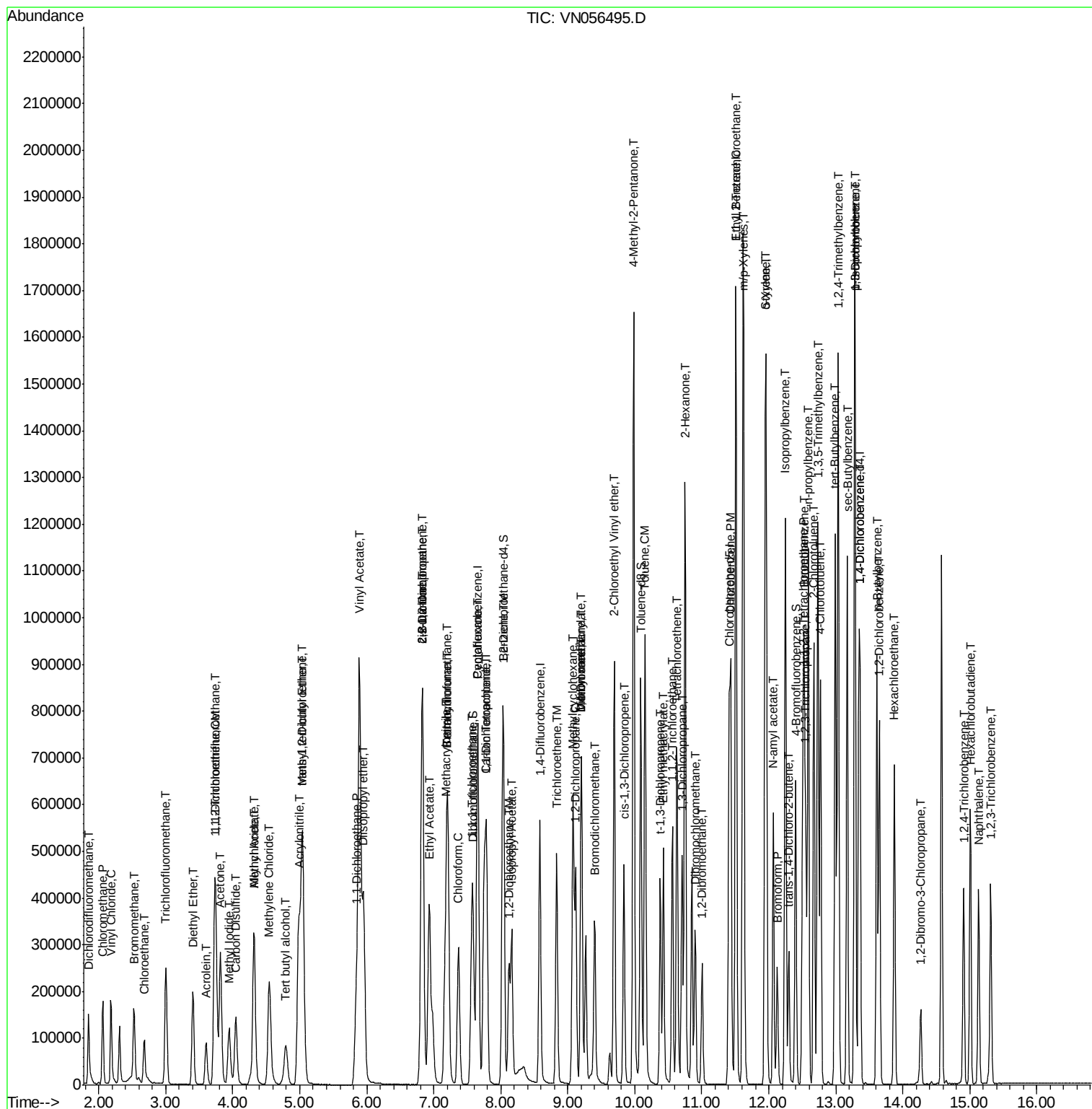
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Data File : VN056495.D
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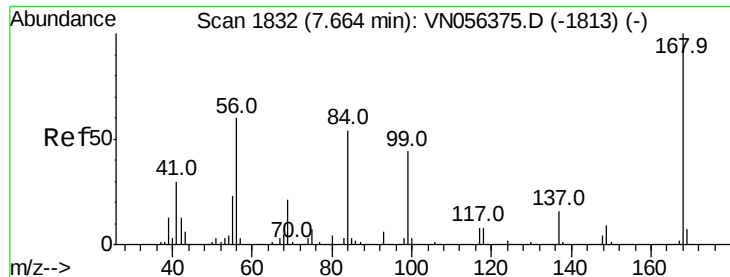
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
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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: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 355997

Ion Ratio Lower Upper

168 100

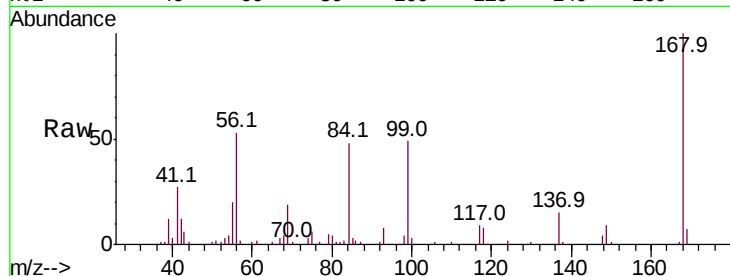
99 48.7 40.6 61.0

Manual Integrations

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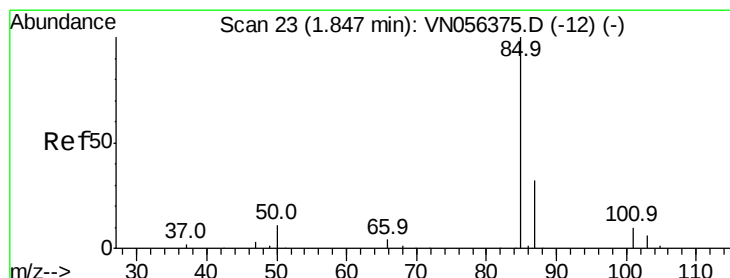
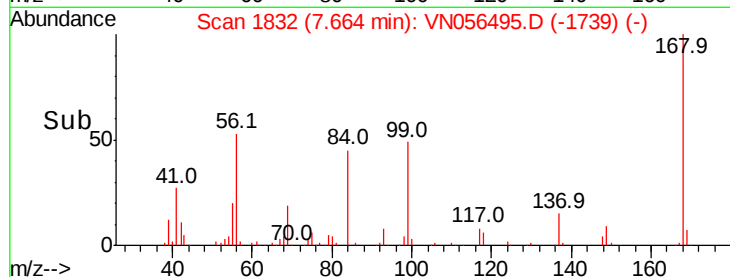
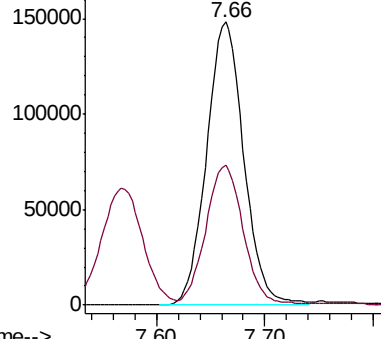
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 46.815 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056495.D

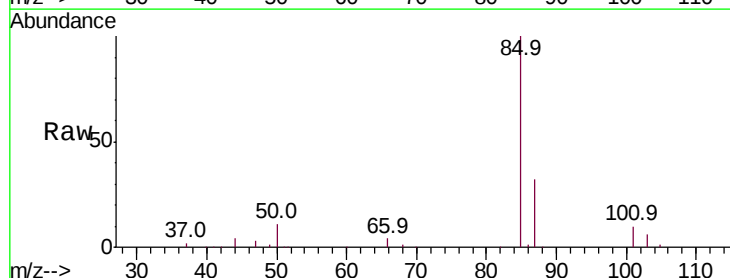
Acq: 26 Jun 2019 10:37

Tgt Ion: 85 Resp: 141118

Ion Ratio Lower Upper

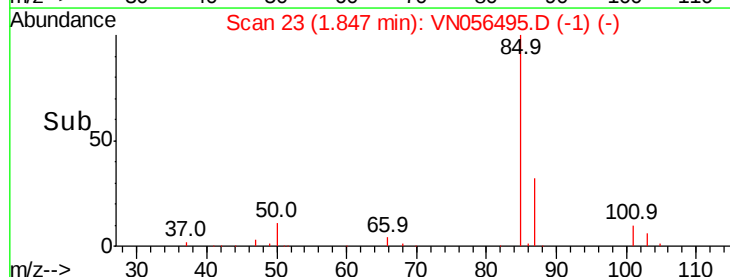
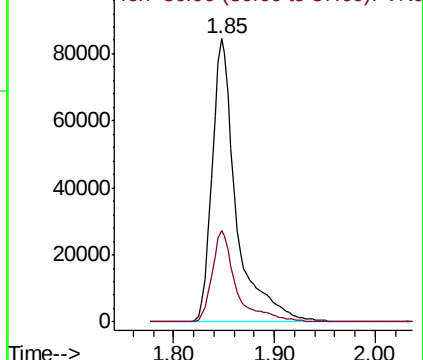
85 100

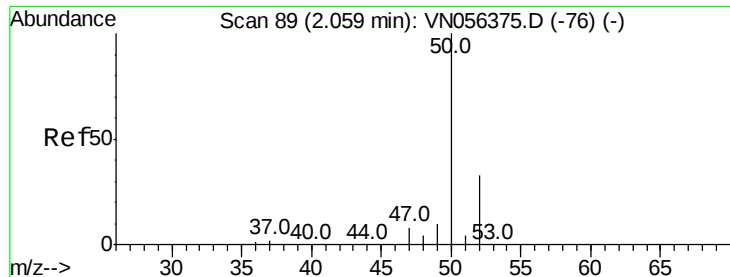
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 43.389 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 178089

Ion Ratio Lower Upper

50 100

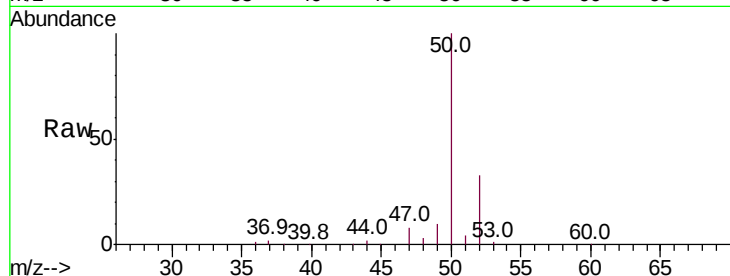
52 32.9 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

120000

100000

80000

60000

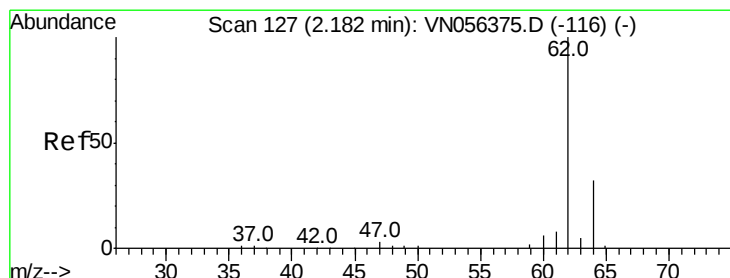
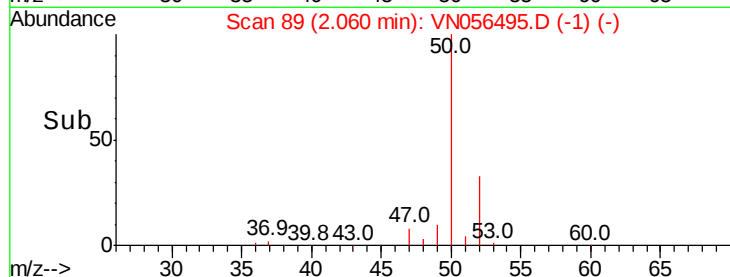
40000

20000

0

2.06

Time-->



#4

Vinyl Chloride

Concen: 45.802 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056495.D

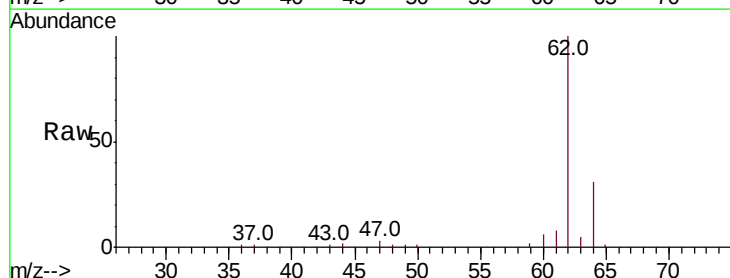
Acq: 26 Jun 2019 10:37

Tgt Ion: 62 Resp: 181570

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

120000

100000

80000

60000

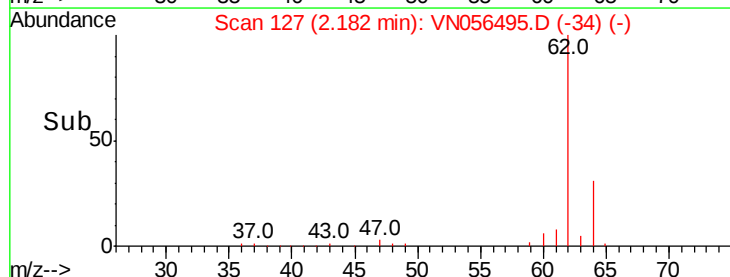
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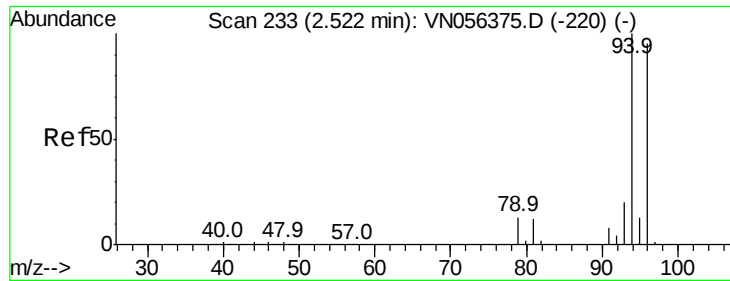
20000

0

2.18

Time-->





#5

Bromomethane

Concen: 51.294 ug/l m

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 119209

Ion Ratio Lower Upper

94 100

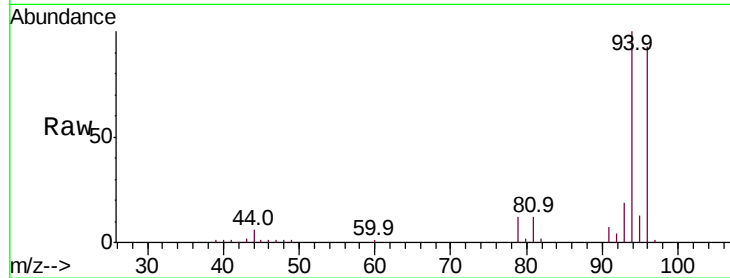
96 92.9 76.0 114.0

Manual Integrations

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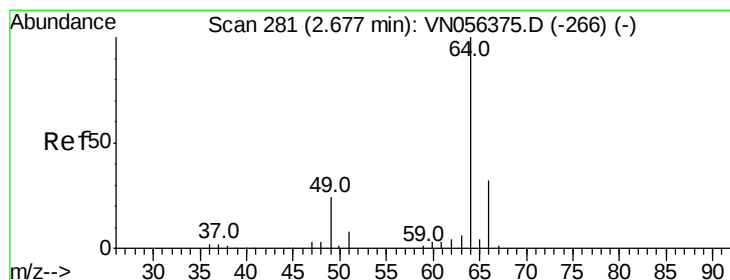
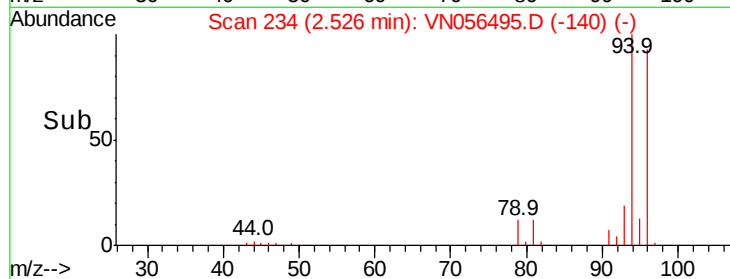
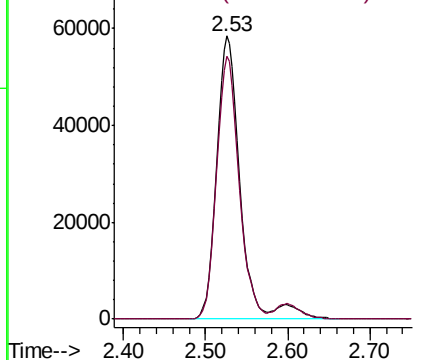
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.174 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN056495.D

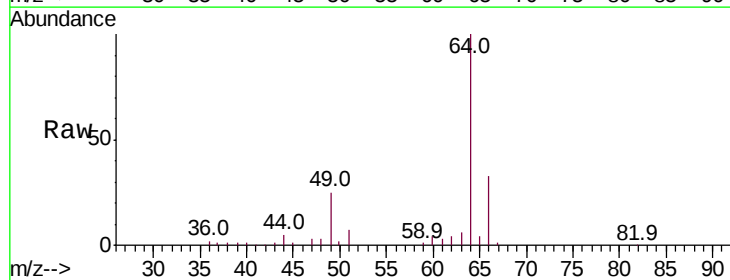
Acq: 26 Jun 2019 10:37

Tgt Ion: 64 Resp: 108299

Ion Ratio Lower Upper

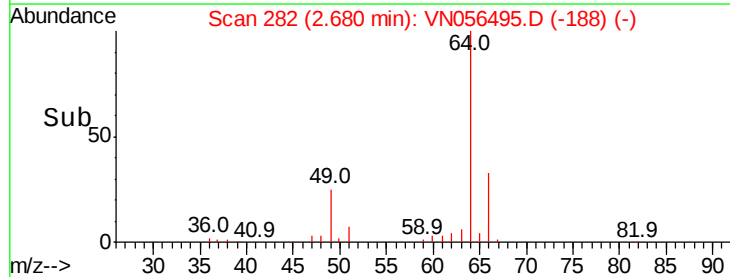
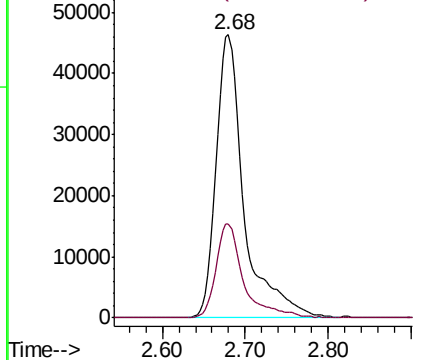
64 100

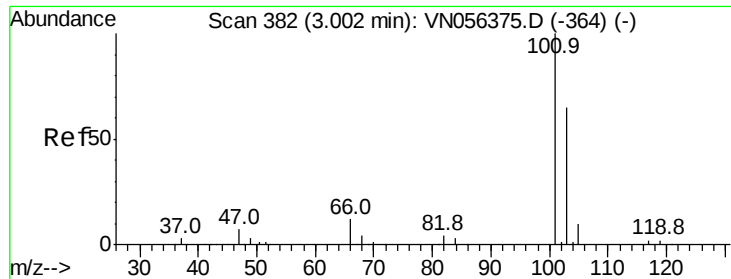
66 33.4 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

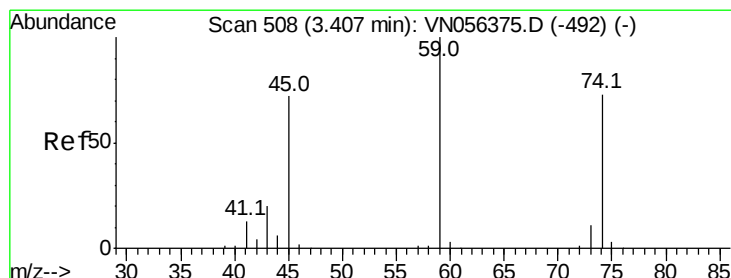
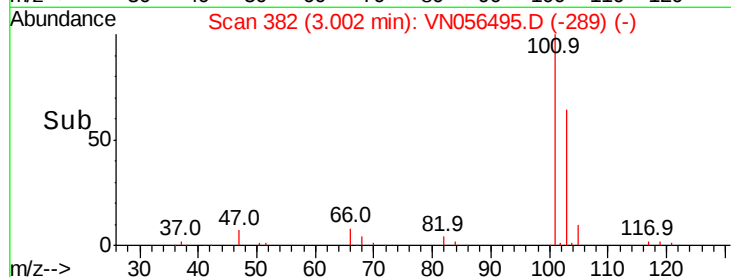
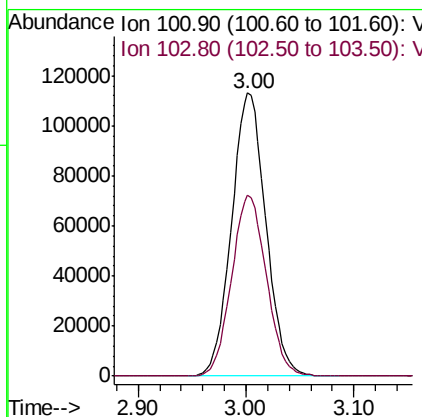
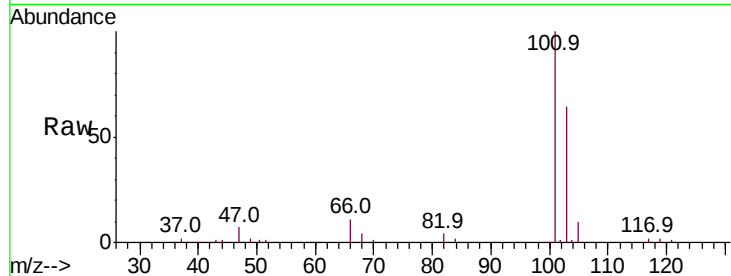
Trichlorofluoromethane
Concen: 48.855 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.7	77.5

Manual Integrations
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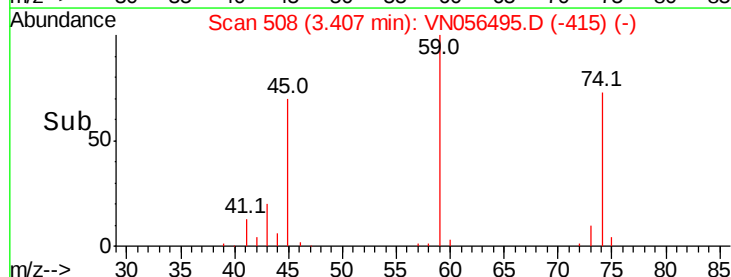
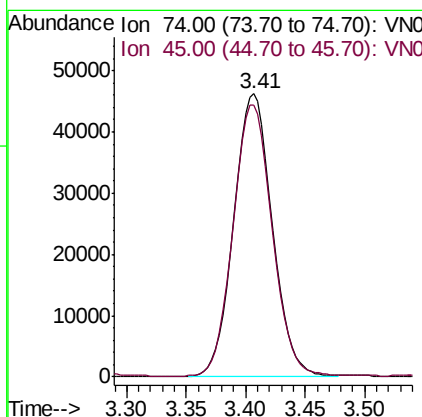
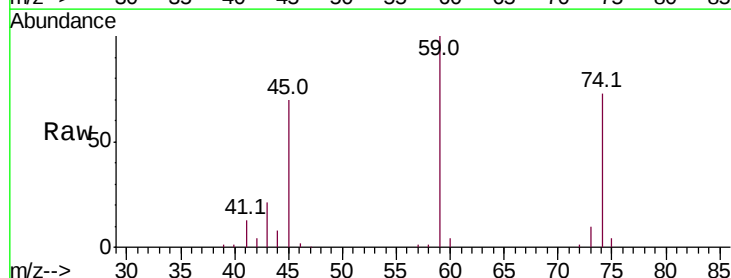
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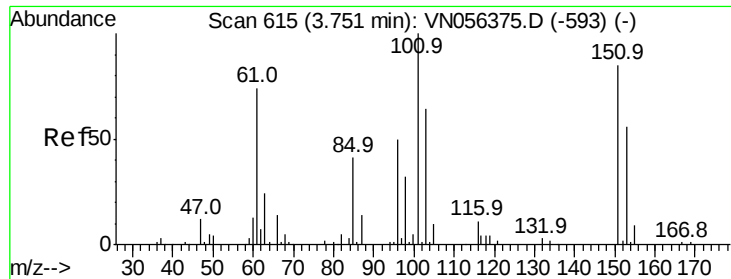


#8

Diethyl Ether
Concen: 47.905 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.9	146.6





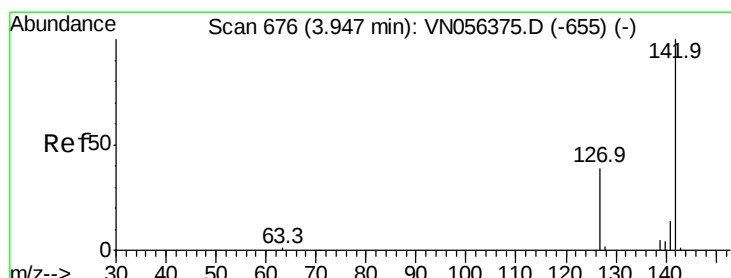
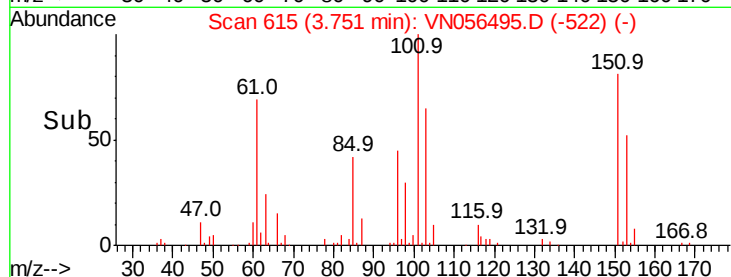
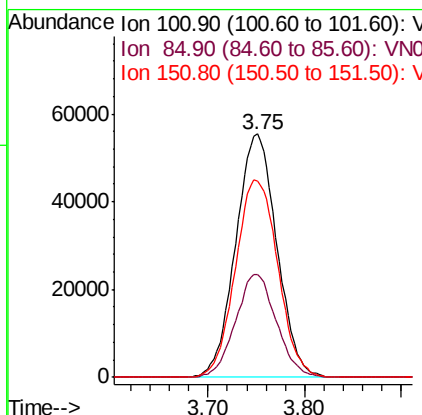
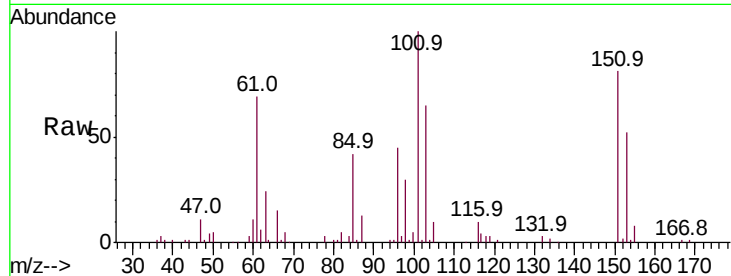
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.060 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	163706		
85	42.0		32.7	49.1
151	83.8		66.8	100.2

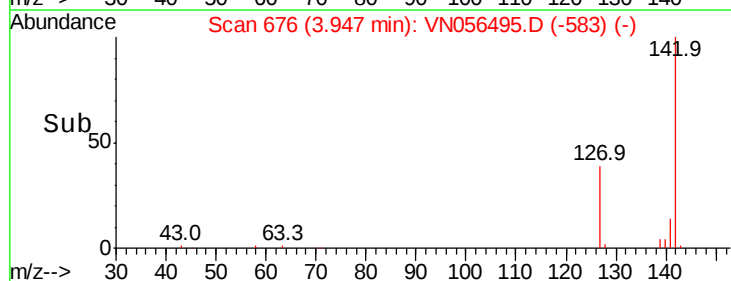
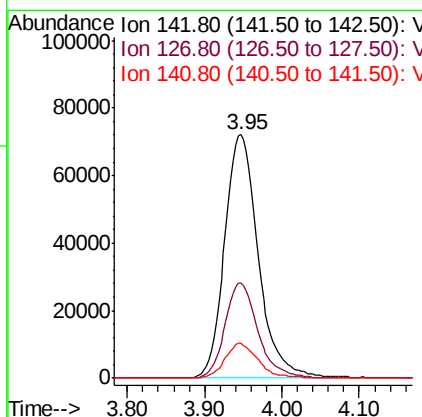
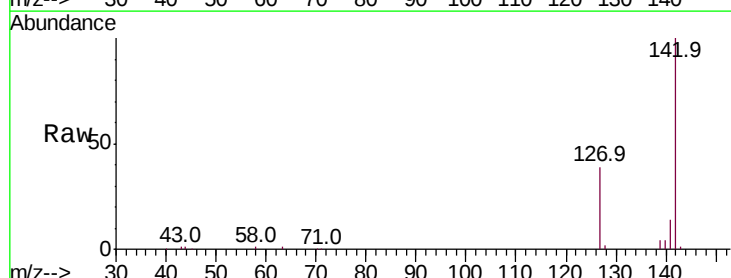
Manual Integrations
 APPROVED

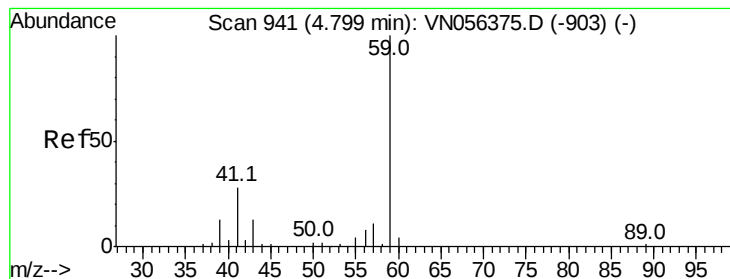
MMDadoda
 6/29/2019 7:22:49 AM



#10
 Methyl Iodide
 Concen: 49.190 ug/l
 RT: 3.95 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	217414		
127	38.4		30.6	46.0
141	13.9		11.4	17.2





#11

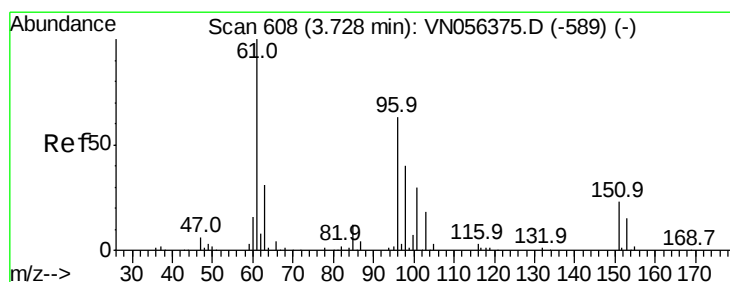
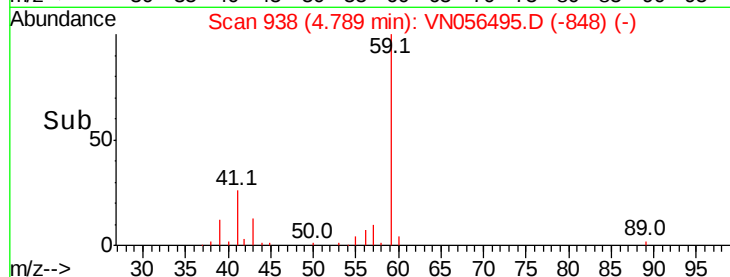
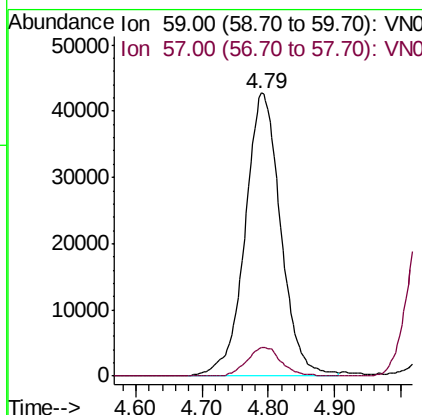
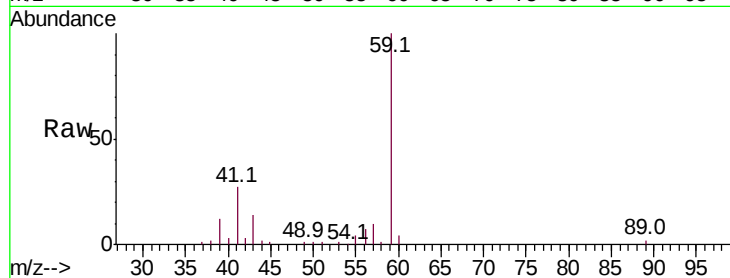
Tert butyl alcohol
 Concen: 240.603 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	159888		
57	9.9		7.6	11.4

Manual Integrations
 APPROVED

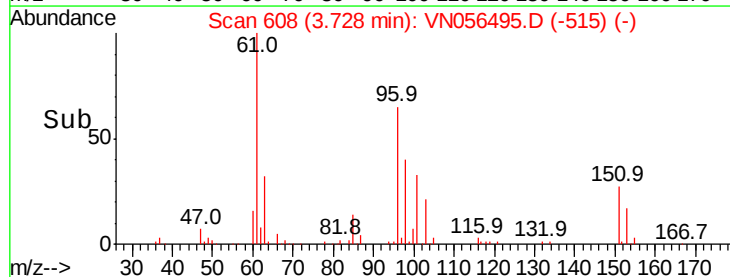
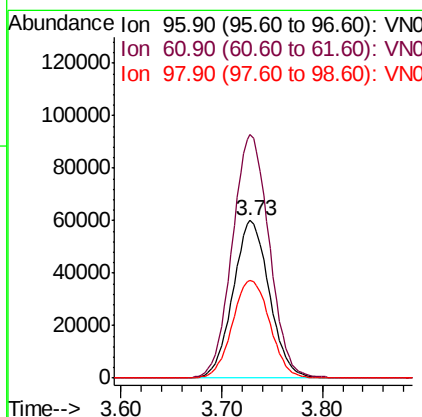
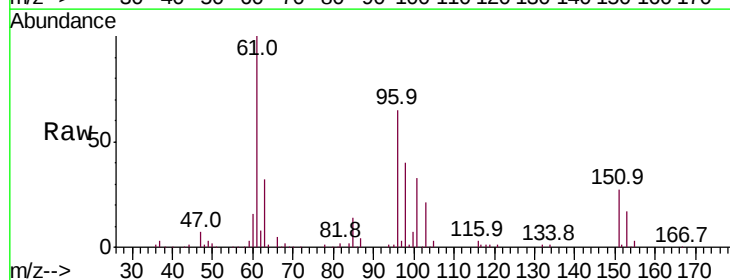
MMDadoda
 6/29/2019 7:22:49 AM

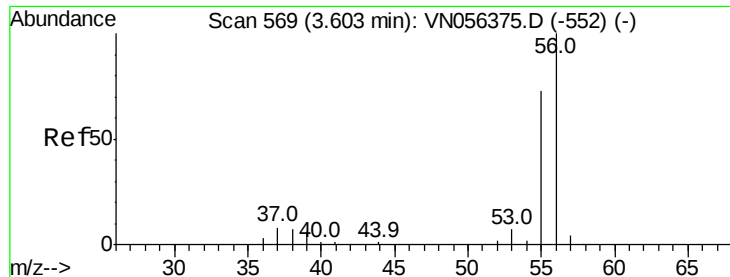


#12

1,1-Dichloroethene
 Concen: 47.755 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	150180		
61	154.6		126.6	190.0
98	62.2		51.1	76.7





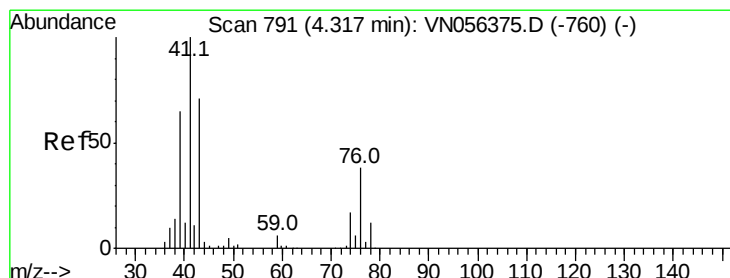
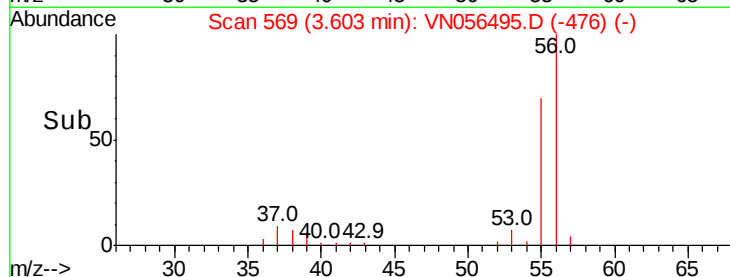
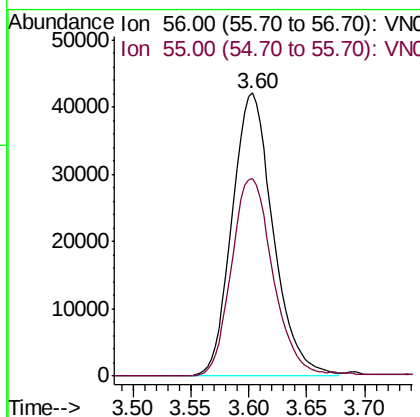
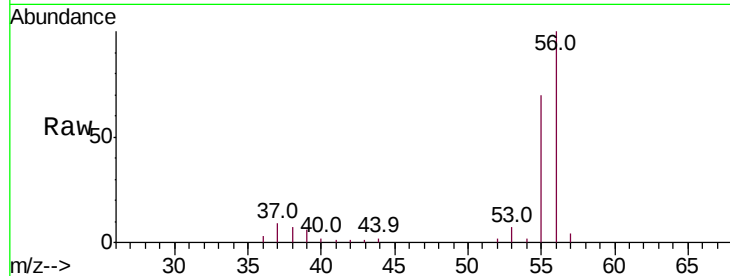
#13
Acrolein
Concen: 184.747 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 103473
Ion Ratio Lower Upper
56 100
55 71.3 57.1 85.7

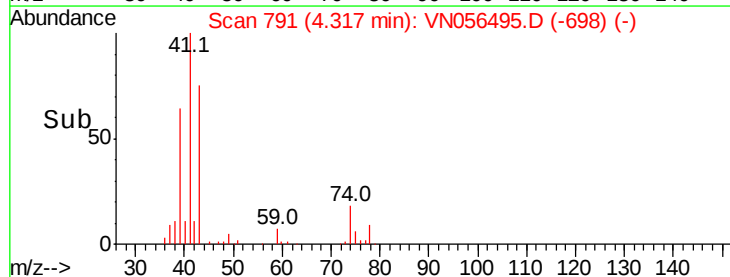
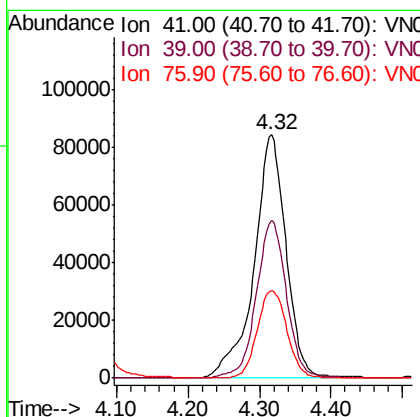
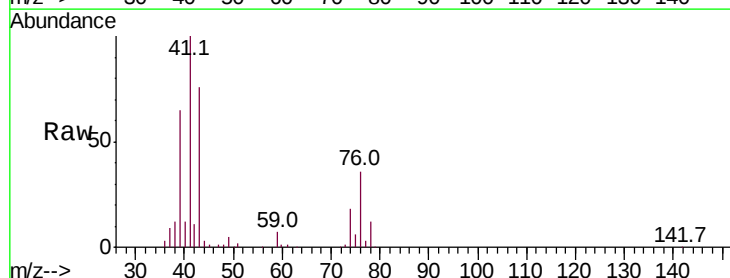
Manual Integrations
APPROVED

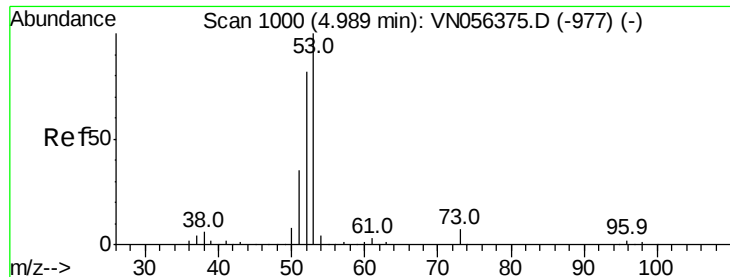
MMDadoda
6/29/2019 7:22:49 AM



#14
Allyl chloride
Concen: 50.020 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion: 41 Resp: 261852
Ion Ratio Lower Upper
41 100
39 61.2 48.6 73.0
76 33.4 26.6 40.0





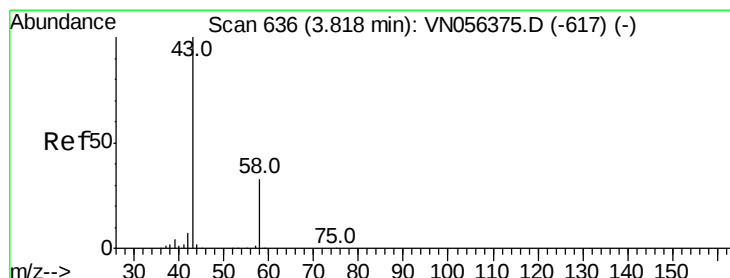
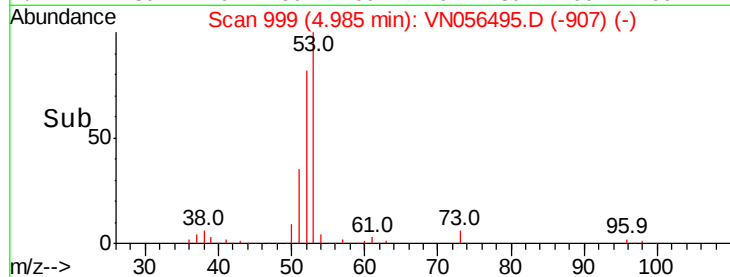
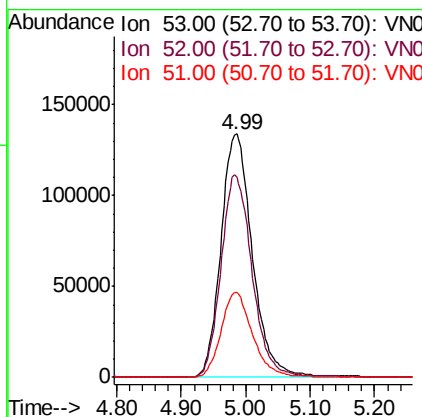
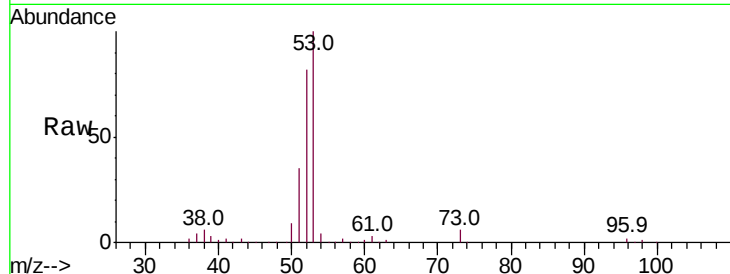
#15
 Acrylonitrile
 Concen: 246.688 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.9	98.9
51	35.2	28.3	42.5

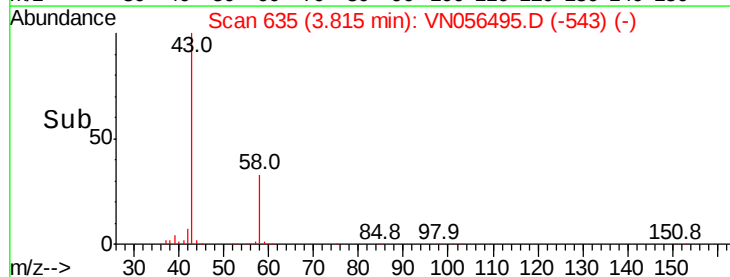
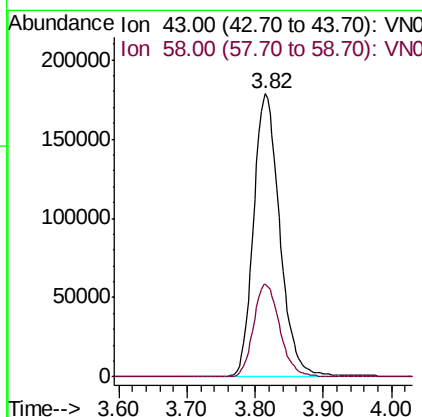
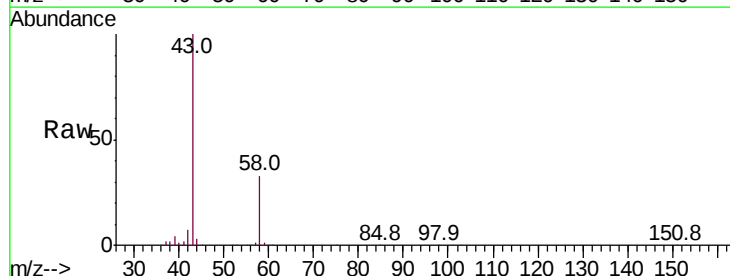
Manual Integrations
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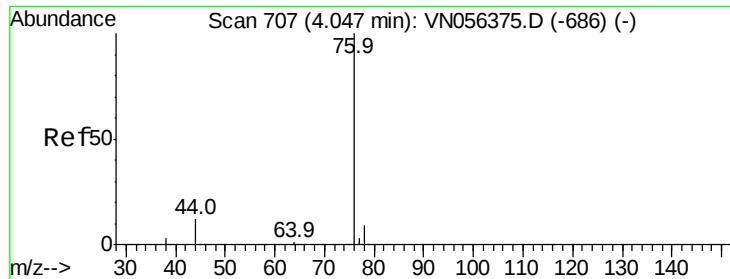
MMDadoda
 6/29/2019 7:22:49 AM



#16
 Acetone
 Concen: 241.089 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.4	39.6





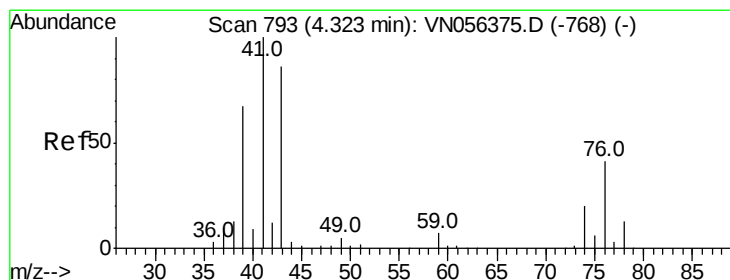
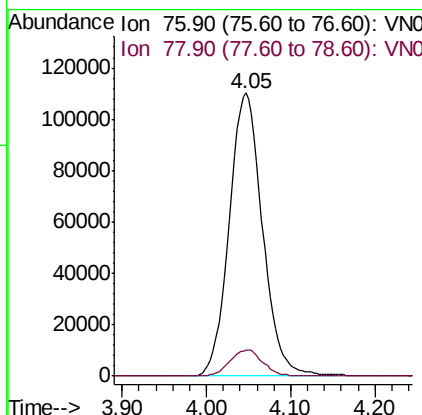
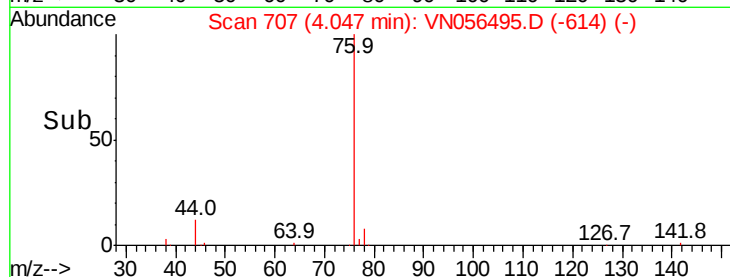
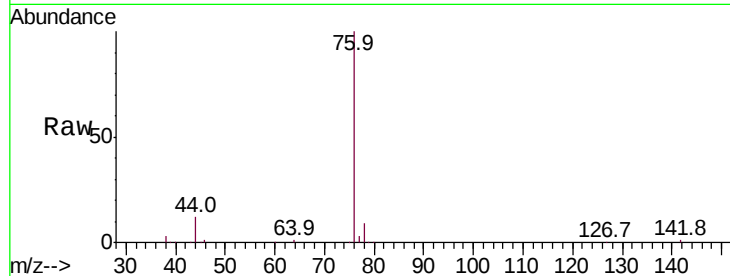
#17
Carbon Disulfide
Concen: 42.270 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 302348
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

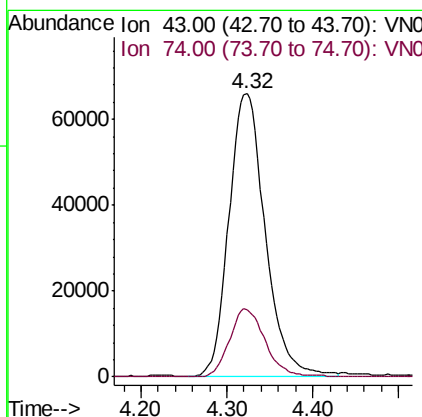
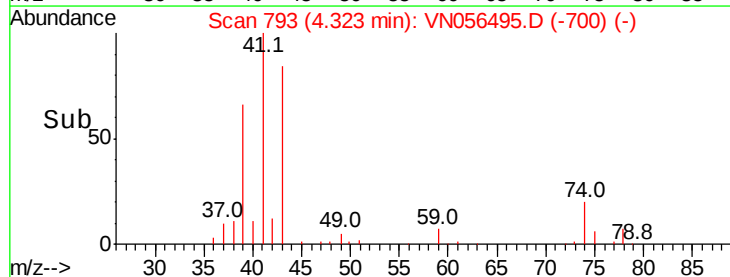
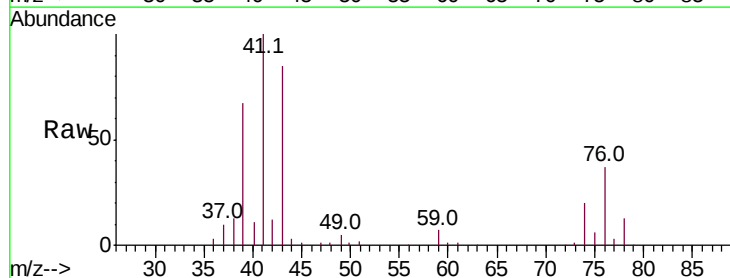
Manual Integrations
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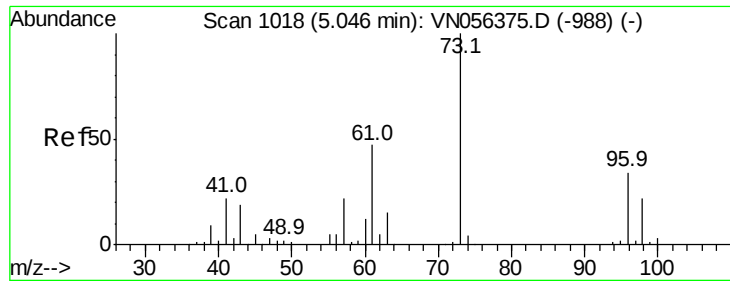
MMDadoda
6/29/2019 7:22:49 AM



#18
Methyl Acetate
Concen: 49.718 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion: 43 Resp: 192513
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8





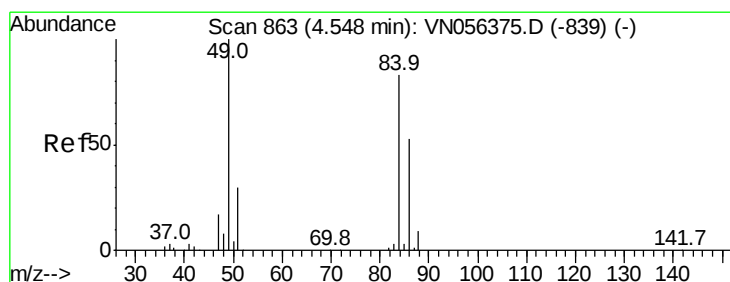
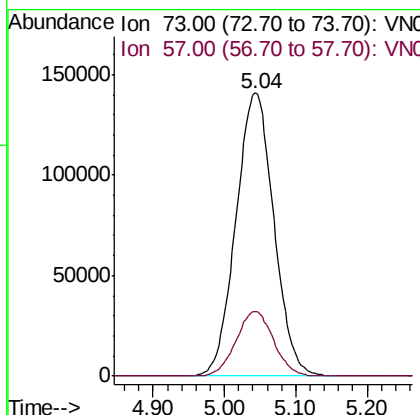
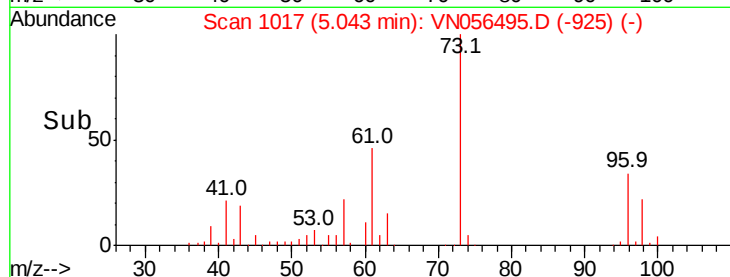
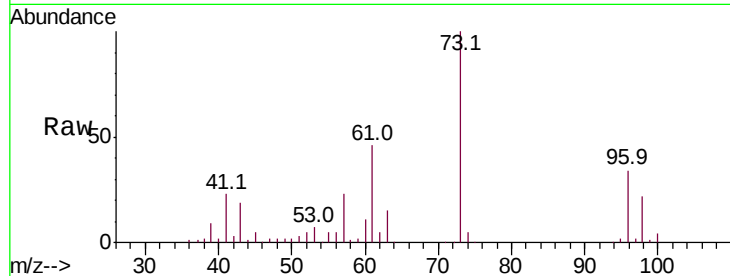
#19
Methyl tert-butyl Ether
Concen: 50.127 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 521626
Ion Ratio Lower Upper
73 100
57 22.9 17.9 26.9

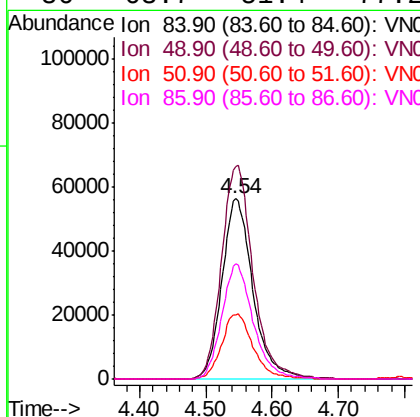
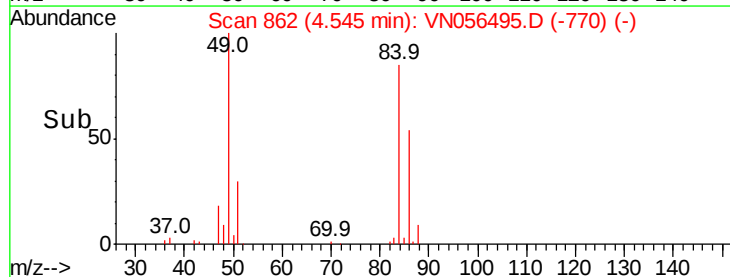
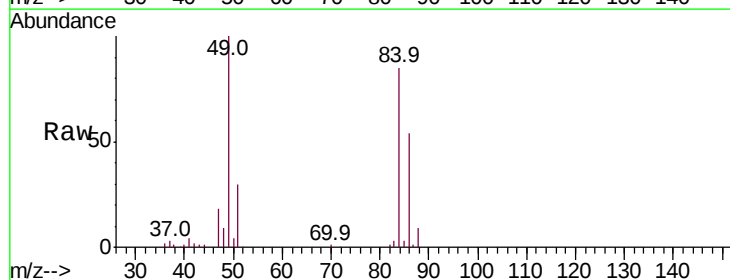
Manual Integrations
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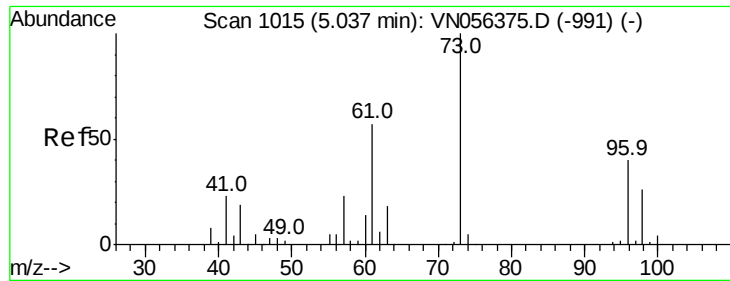
MMDadoda
6/29/2019 7:22:49 AM



#20
Methylene Chloride
Concen: 49.130 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion: 84 Resp: 183139
Ion Ratio Lower Upper
84 100
49 118.0 96.4 144.6
51 35.8 28.6 43.0
86 63.7 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.479 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 164370

Ion Ratio Lower Upper

96 100

61 136.7 113.0 169.6

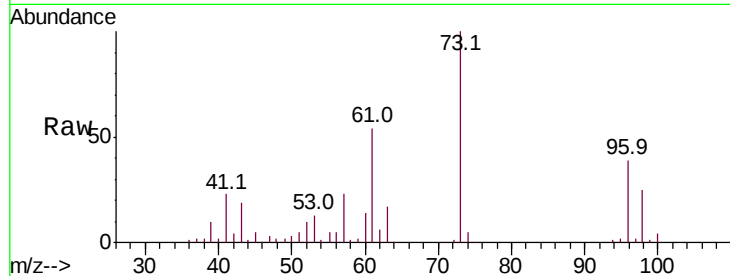
98 63.0 52.2 78.2

Manual Integrations

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MMDadoda

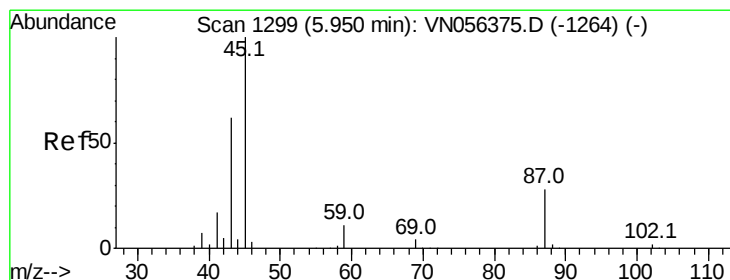
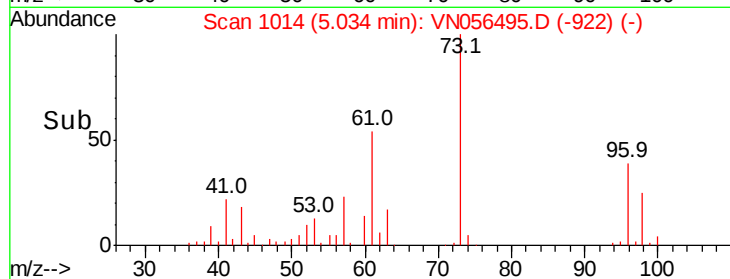
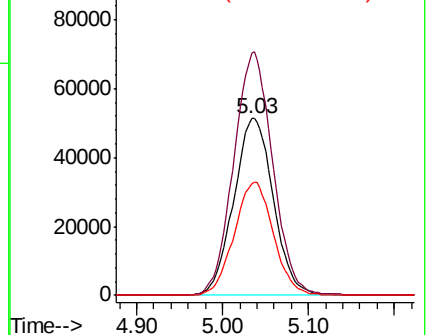
6/29/2019 7:22:49 AM



Abundance Ion 95.90 (95.60 to 96.60): VN056375.D (-991) (-)

Ion 60.90 (60.60 to 61.60): VN056375.D (-991) (-)

Ion 97.90 (97.60 to 98.60): VN056375.D (-991) (-)



#22

Diisopropyl ether

Concen: 51.357 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Tgt Ion: 45 Resp: 564625

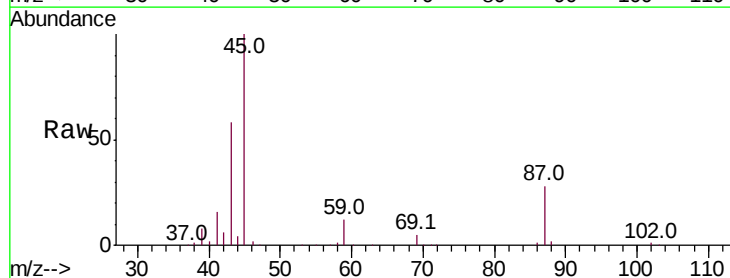
Ion Ratio Lower Upper

45 100

43 57.1 50.4 75.6

87 27.8 23.0 34.4

59 11.5 9.1 13.7

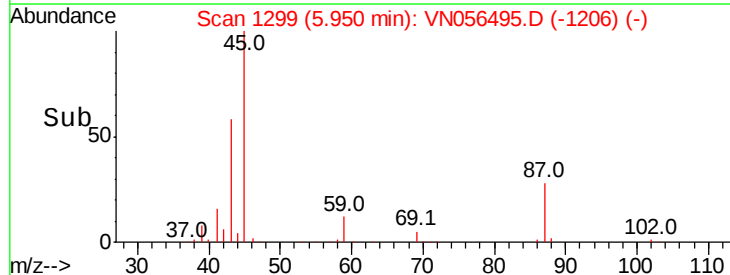
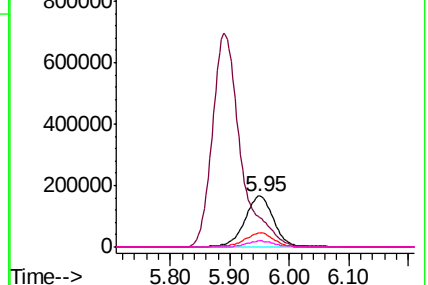


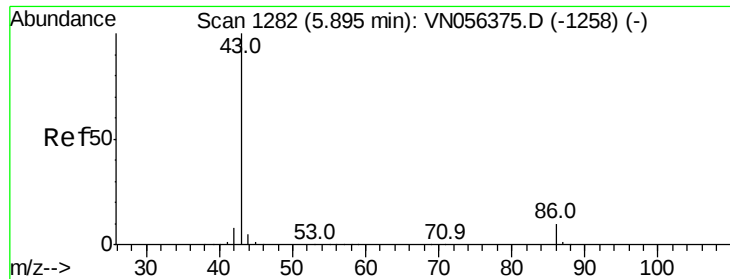
Abundance Ion 45.00 (44.70 to 45.70): VN056375.D (-1264) (-)

Ion 43.00 (42.70 to 43.70): VN056375.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN056375.D (-1264) (-)





#23

Vinyl Acetate

Concen: 264.727 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2295569

Ion Ratio Lower Upper

43 100

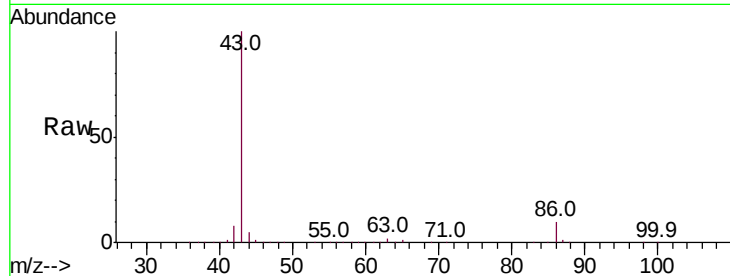
86 10.4 8.3 12.5

Manual Integrations

APPROVED

MMDadoda

6/29/2019 7:22:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

800000

600000

400000

200000

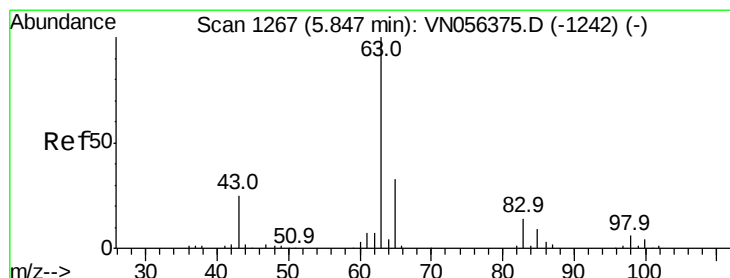
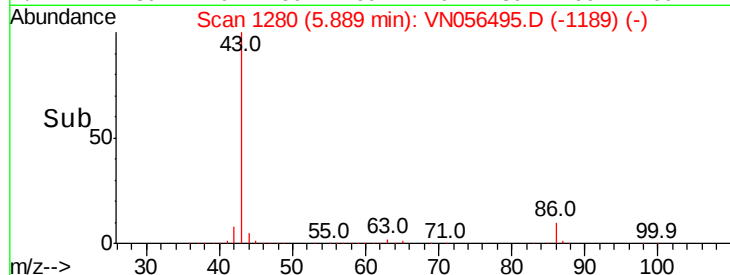
0

5.89

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.072 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

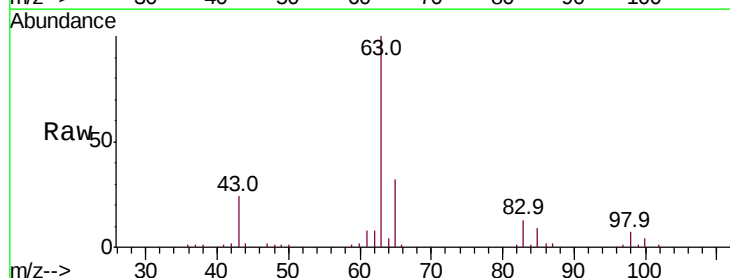
Tgt Ion: 63 Resp: 316007

Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

60000

40000

20000

0

5.84

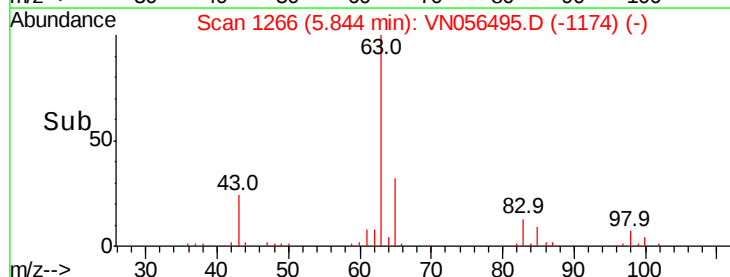
5.70

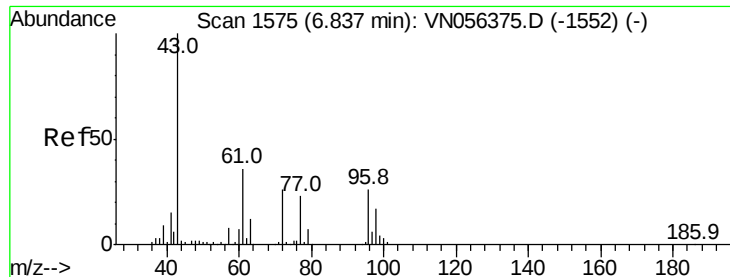
5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 245.555 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 642438

Ion Ratio Lower Upper

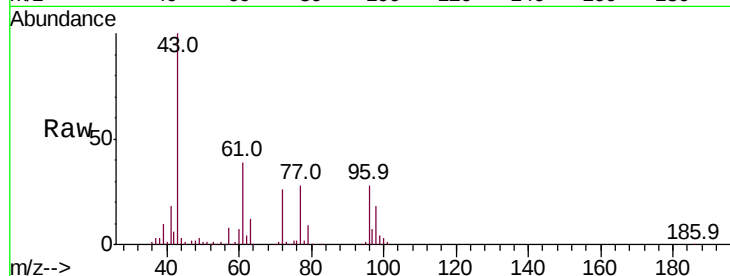
43 100

72 26.0 20.6 31.0

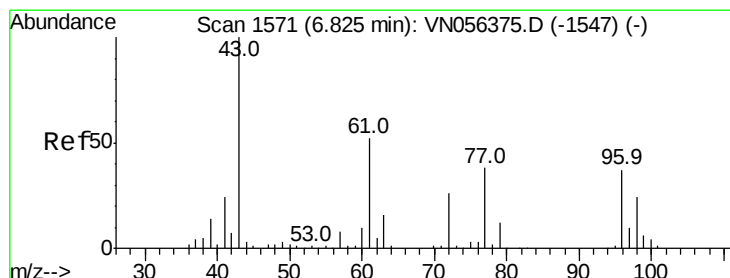
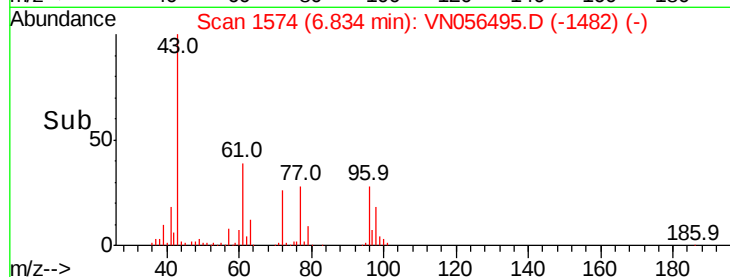
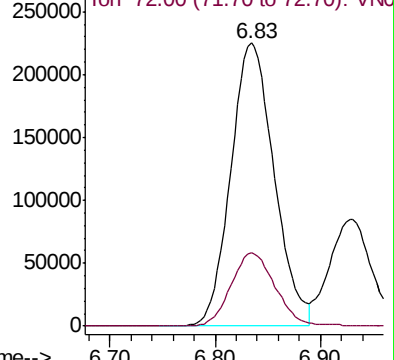
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN0



#26

2,2-Dichloropropane

Concen: 53.822 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN056495.D

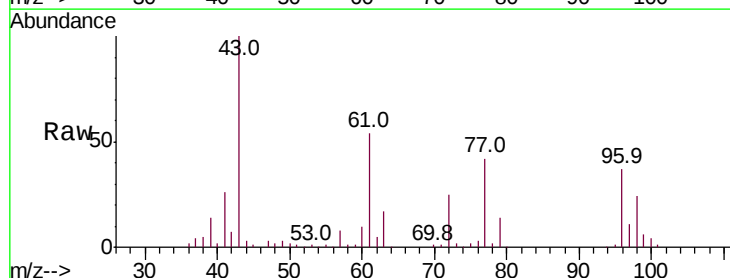
Acq: 26 Jun 2019 10:37

Tgt Ion: 77 Resp: 236242

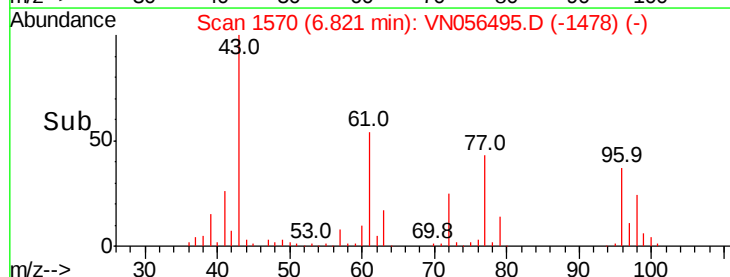
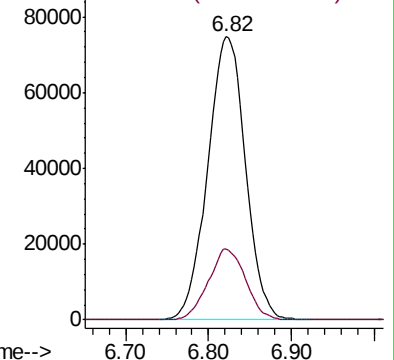
Ion Ratio Lower Upper

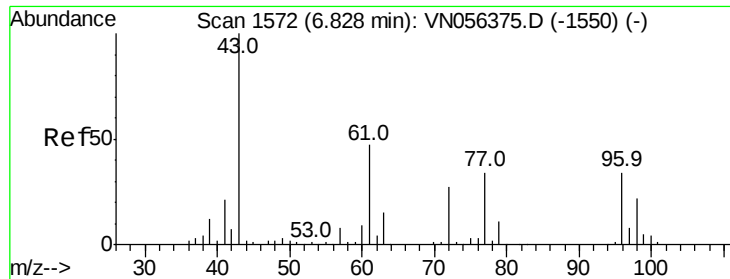
77 100

97 24.7 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.217 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

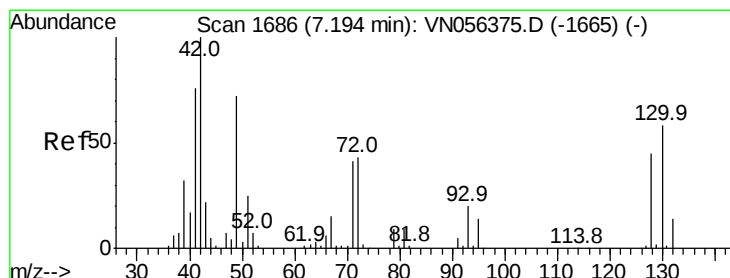
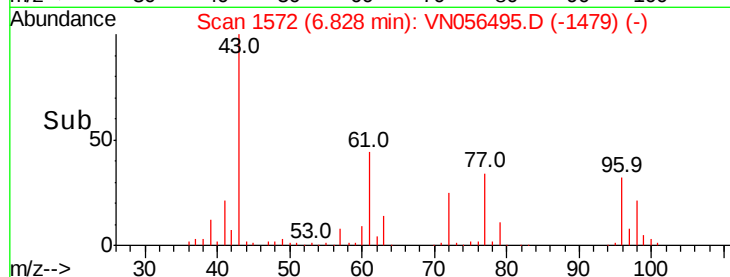
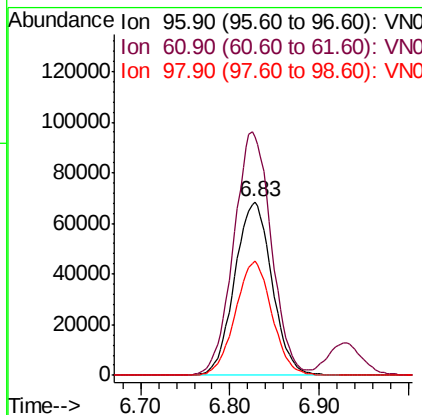
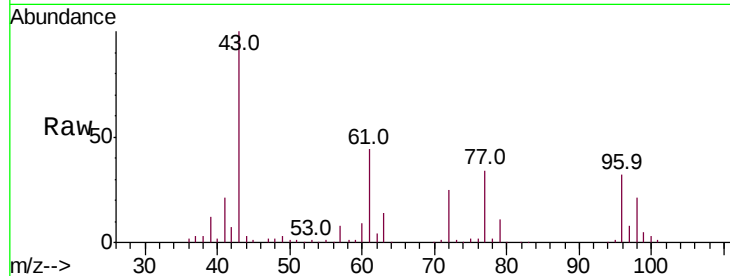
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	199200
Ion Ratio	Lower	Upper	
96	100		
61	141.2	0.0	279.8
98	64.6	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 49.851 ug/l

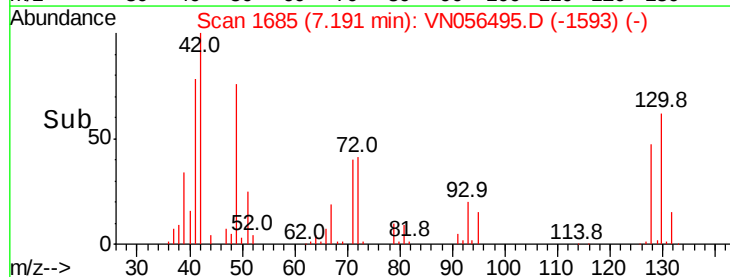
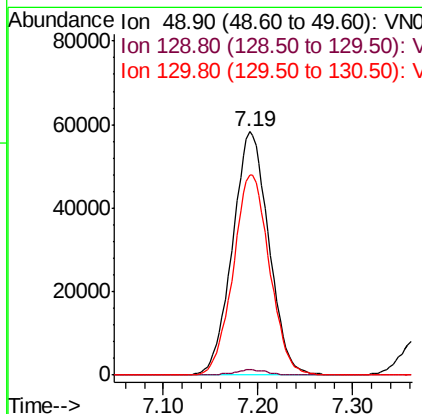
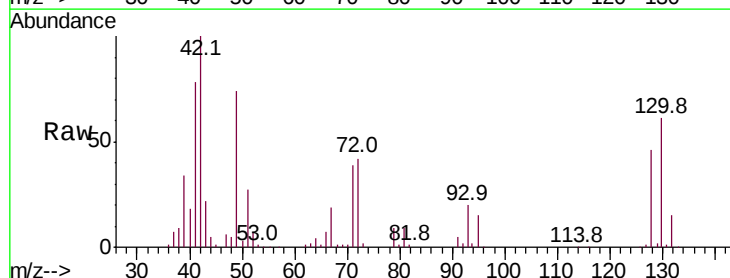
RT: 7.19 min Scan# 1685

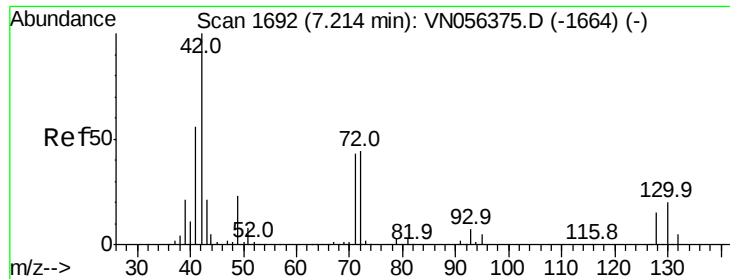
Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Tgt Ion:	49	Resp:	155614
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.2
130	82.3	64.9	97.3





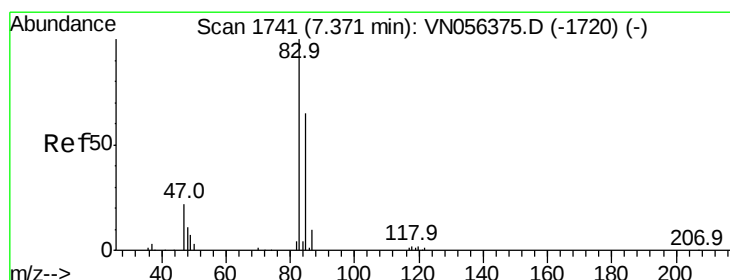
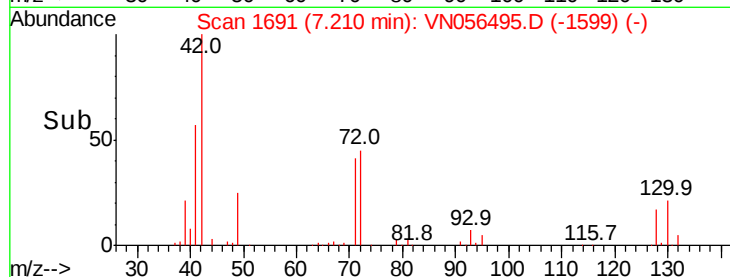
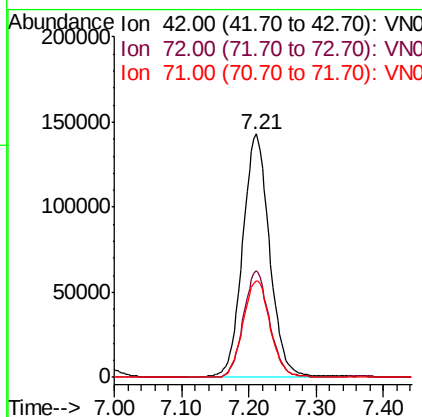
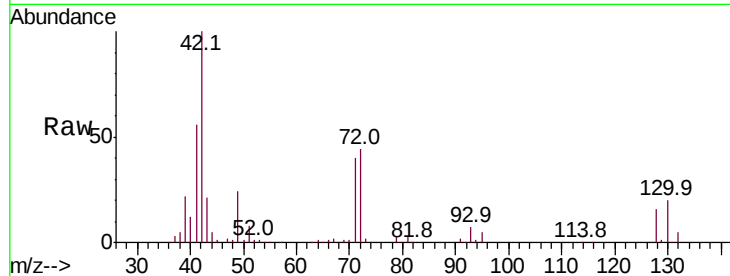
#29
Tetrahydrofuran
Concen: 249.337 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.7	52.1
71	40.1	33.0	49.6

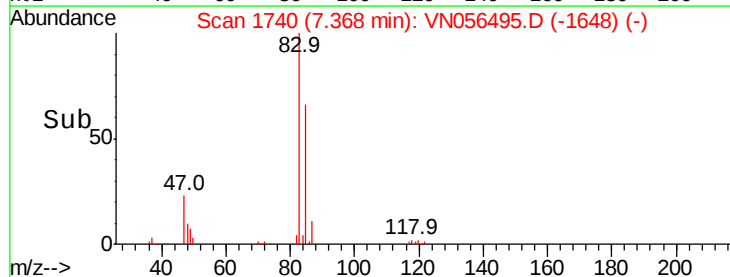
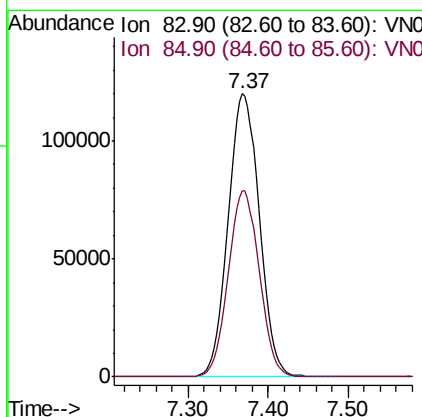
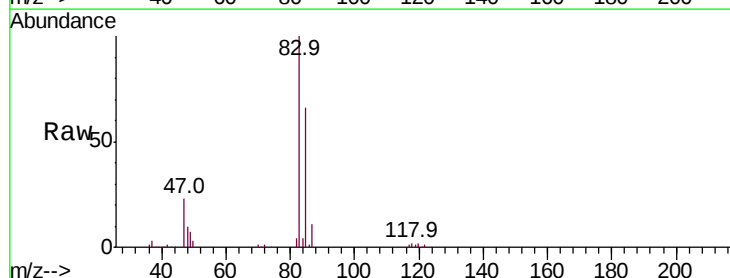
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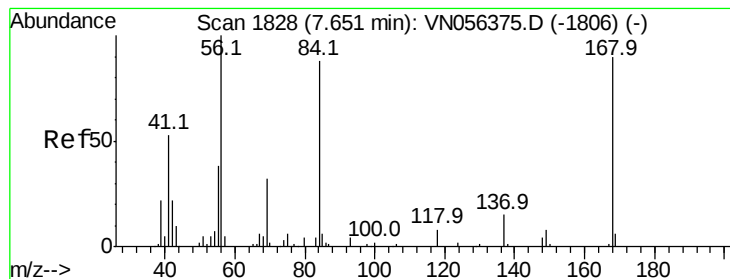
MMDadoda
6/29/2019 7:22:49 AM



#30
Chloroform
Concen: 51.097 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5





#31

Cyclohexane

Concen: 45.681 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 278325

Ion Ratio Lower Upper

56 100

69 33.0 25.8 38.6

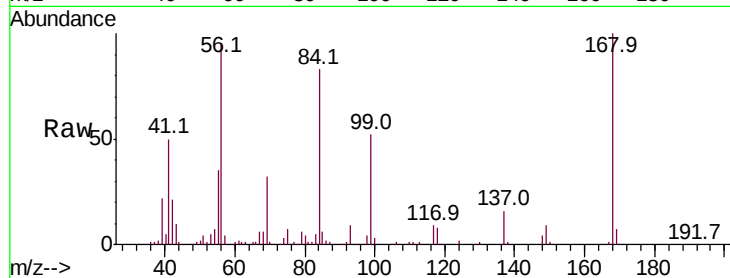
84 86.2 69.4 104.0

Manual Integrations

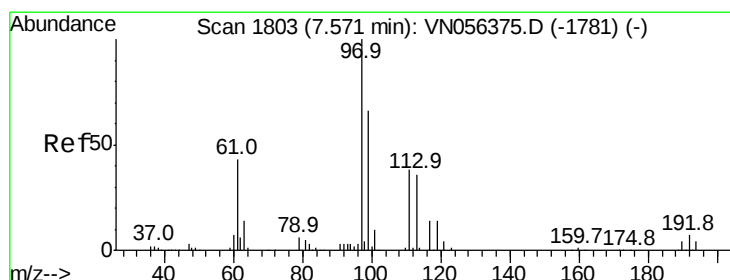
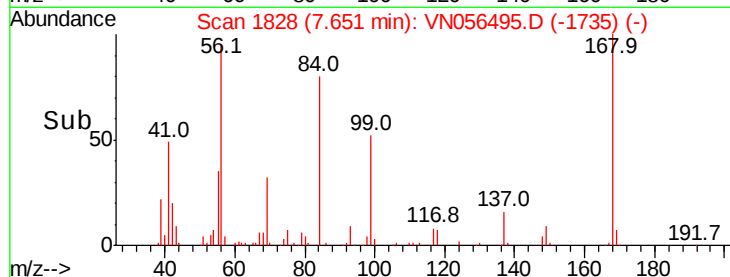
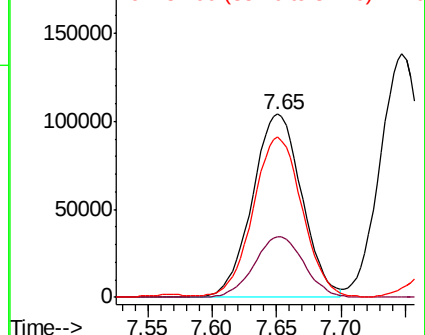
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 51.759 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

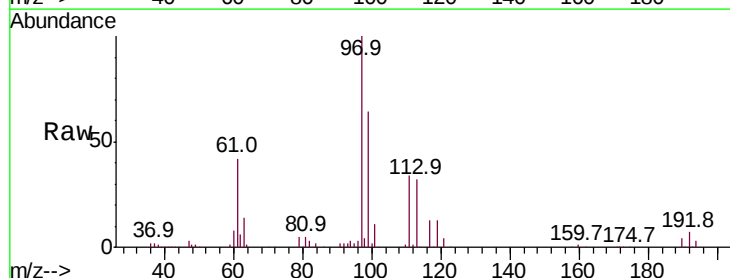
Tgt Ion: 97 Resp: 255490

Ion Ratio Lower Upper

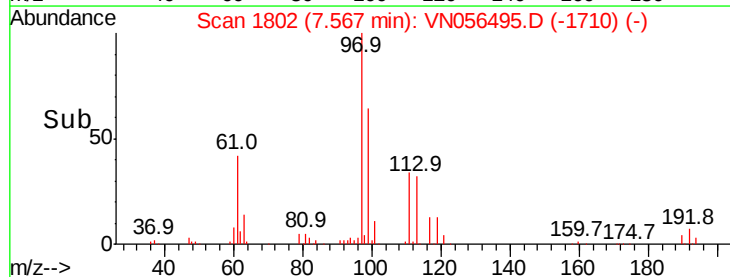
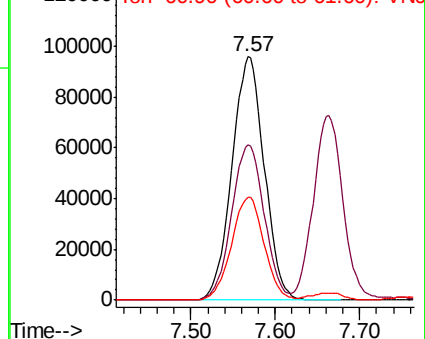
97 100

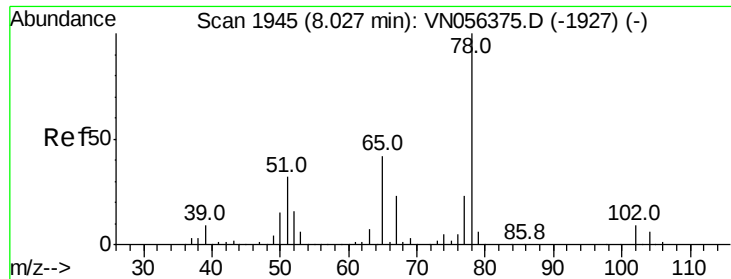
99 64.7 51.8 77.6

61 42.7 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





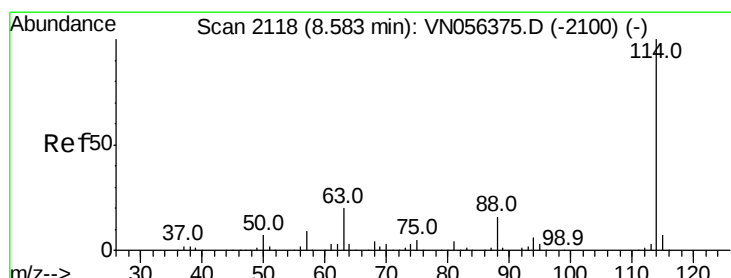
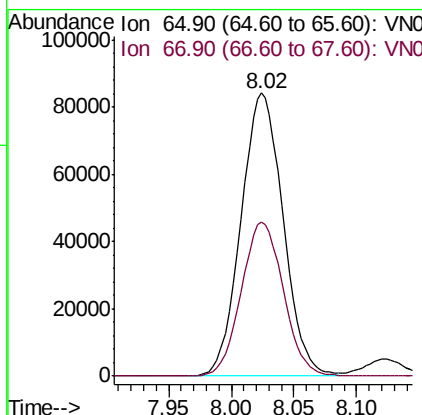
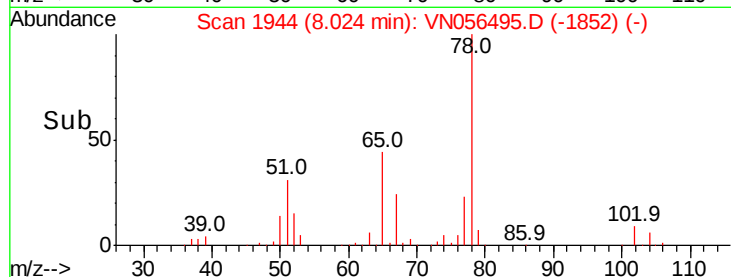
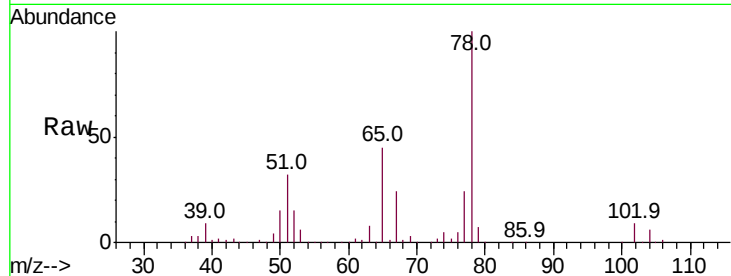
#33
 1,2-Dichloroethane-d4
 Concen: 49.780 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196408		
67	54.4	0.0	109.0	

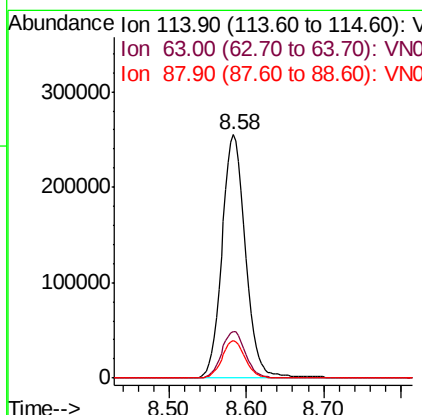
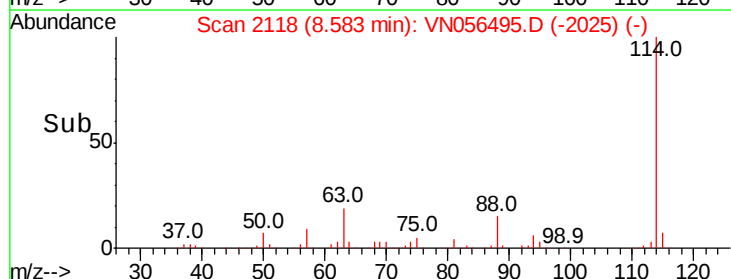
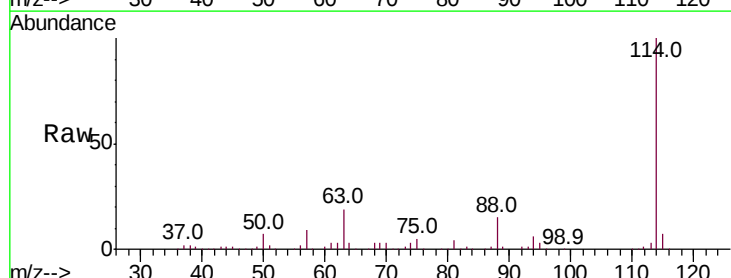
Manual Integrations
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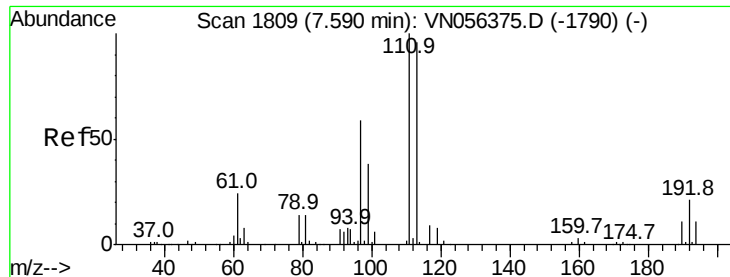
MMDadoda
 6/29/2019 7:22:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	538782		
63	19.0	0.0	39.2	
88	15.4	0.0	31.4	





#35

Dibromofluoromethane

Concen: 51.798 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

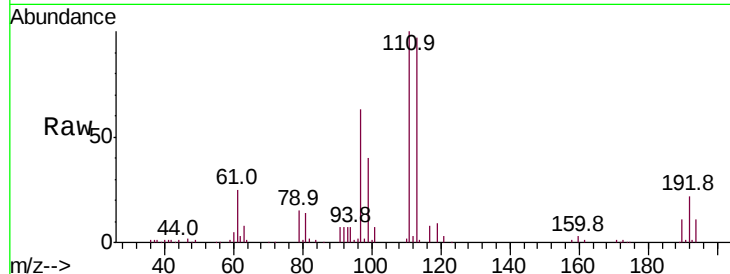
ClientSampleId :

VSTDCCC050

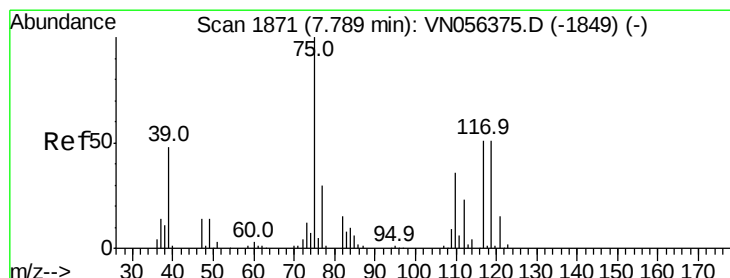
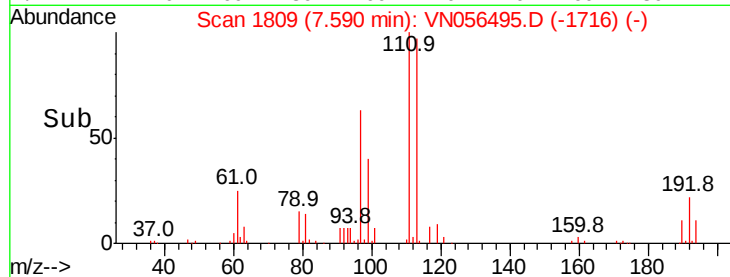
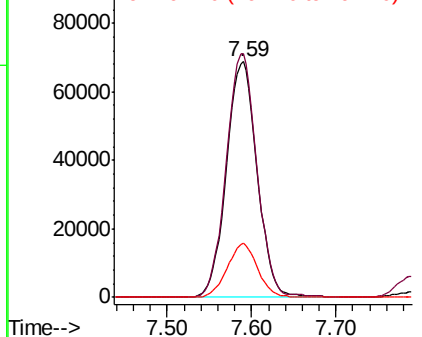
Tot Ion:	113	Resp:	174098
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.9	124.3
192	22.5	17.7	26.5

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.048 ug/l

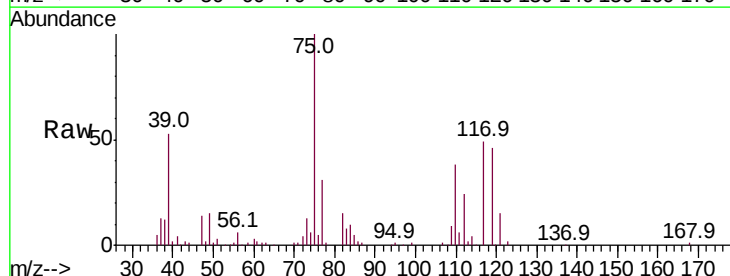
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

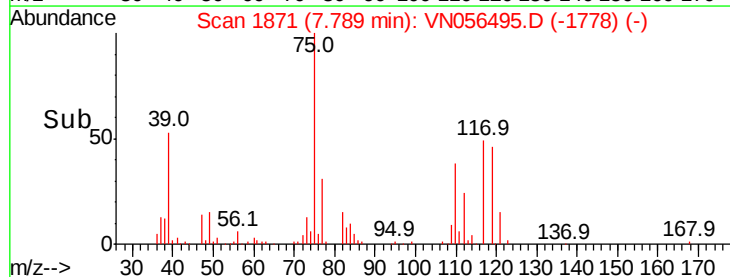
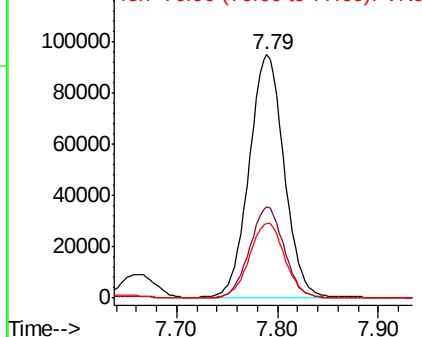
Lab File: VN056495.D

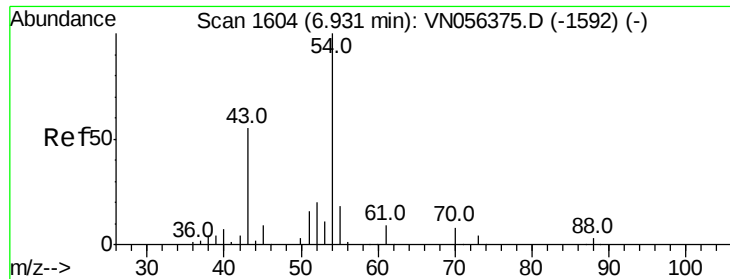
Acq: 26 Jun 2019 10:37

Tgt Ion:	75	Resp:	227858
Ion Ratio	Lower	Upper	
75	100		
110	37.2	18.1	54.3
77	31.7	24.6	36.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





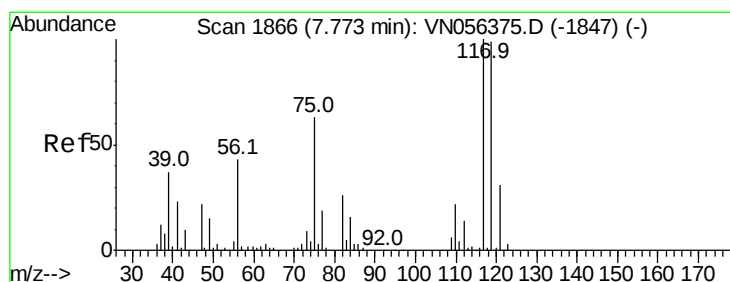
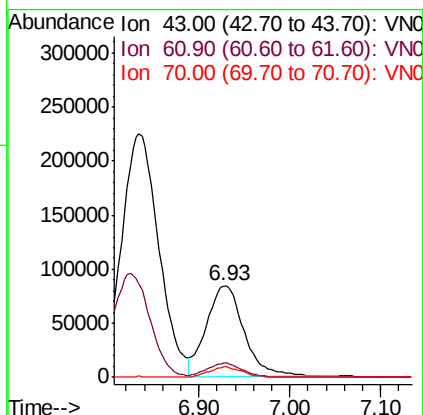
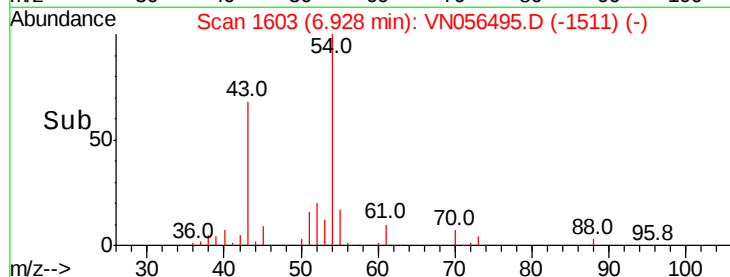
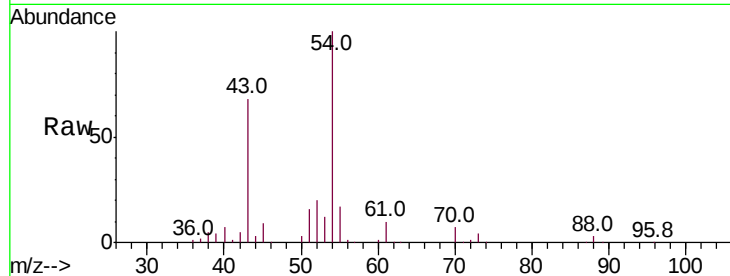
#37
Ethyl Acetate
Concen: 51.890 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.1	16.7
70	10.0	8.3	12.5

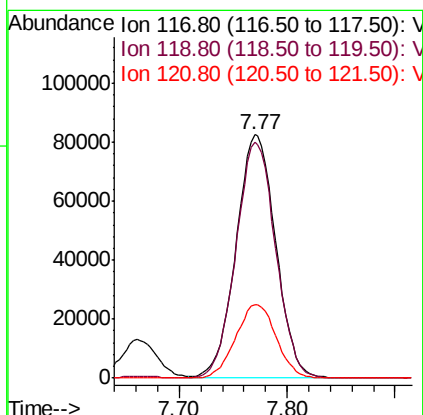
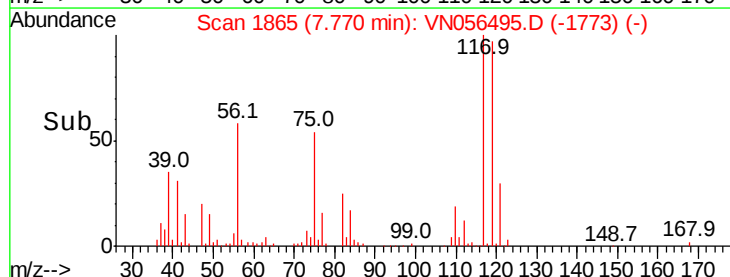
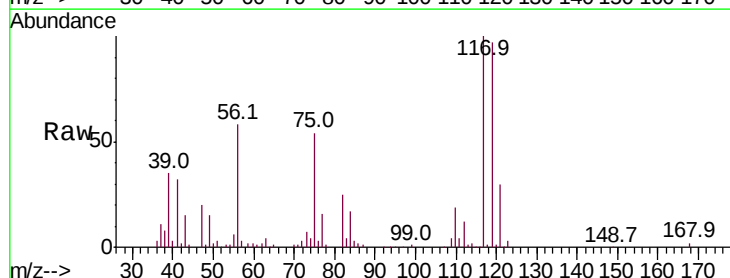
Manual Integrations
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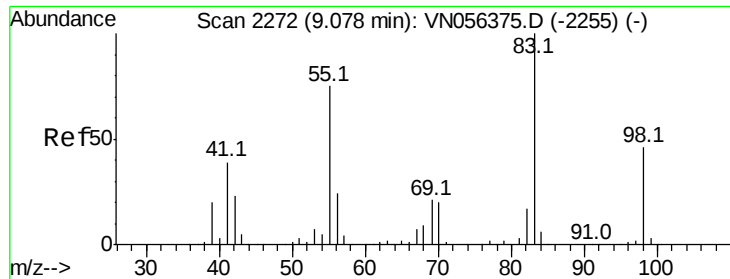
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.769 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.1	118.7
121	30.4	24.8	37.2





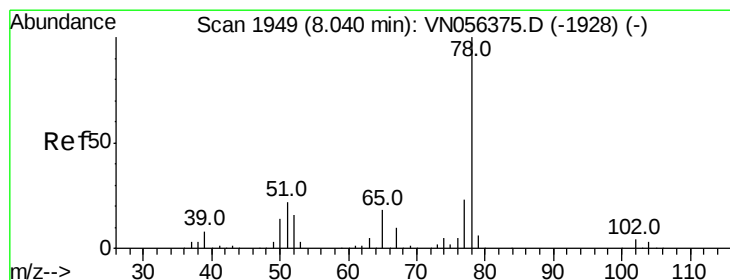
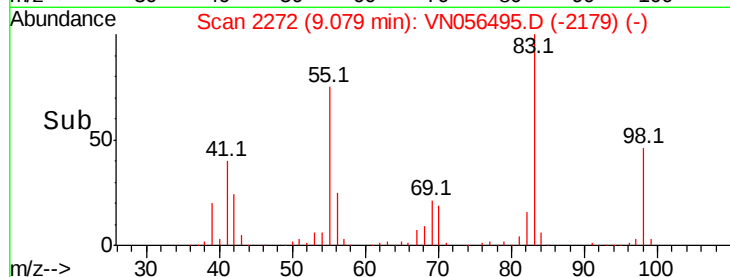
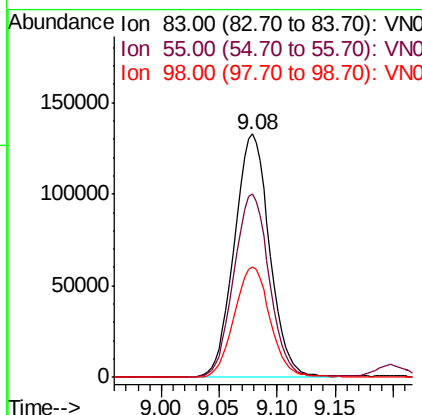
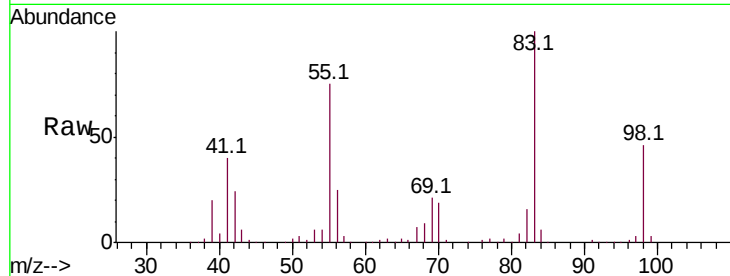
#39
Methvlcvclohexane
Concen: 48.075 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.0	90.0
98	45.6	36.6	54.8

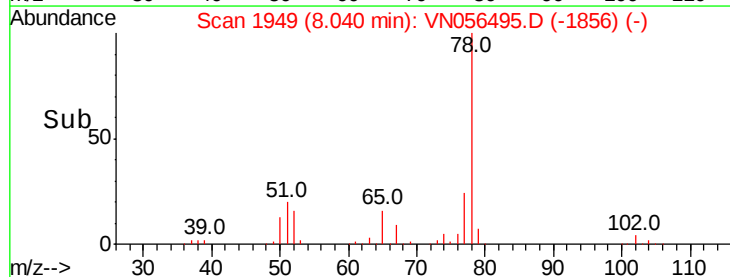
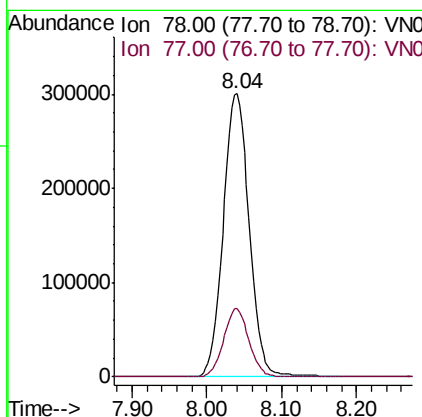
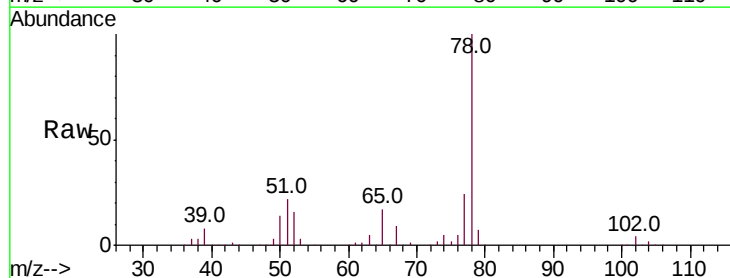
Manual Integrations
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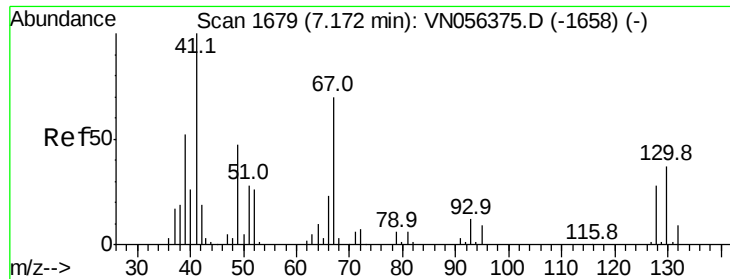
MMDadoda
6/29/2019 7:22:49 AM



#40
Benzene
Concen: 49.454 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.3	27.5





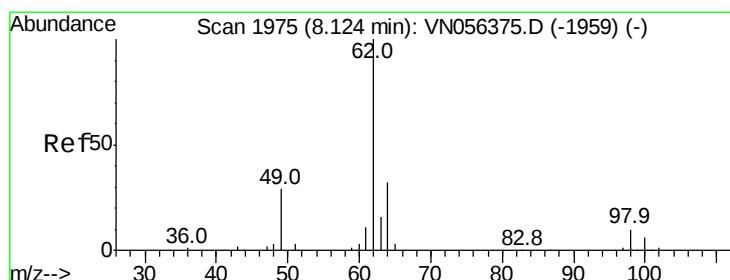
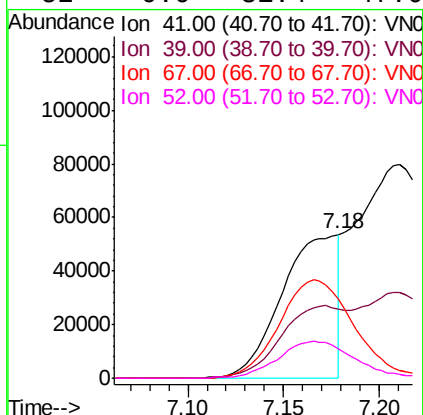
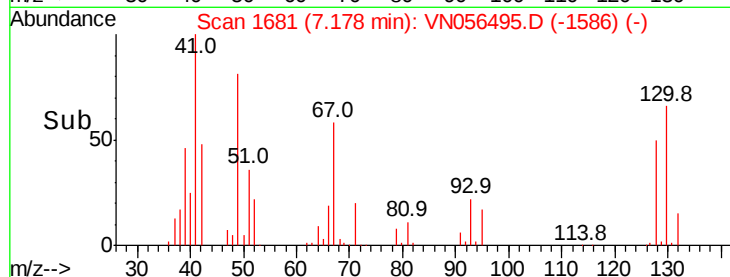
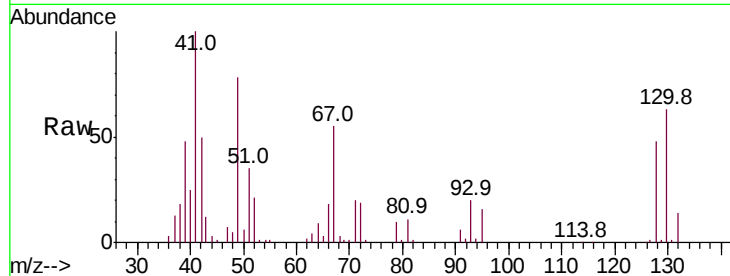
#41
Methacrylonitrile
Concen: 53.360 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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#

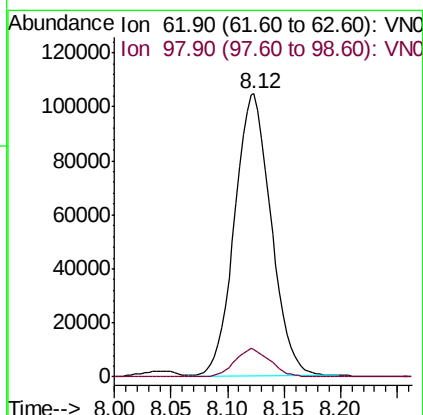
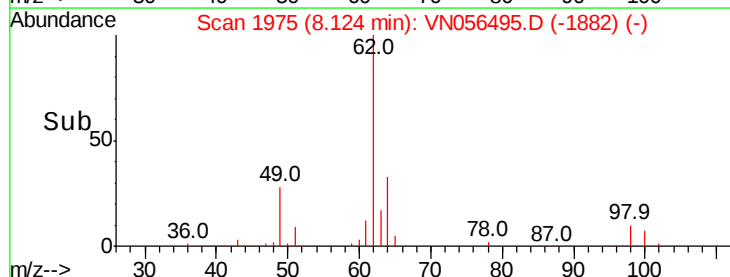
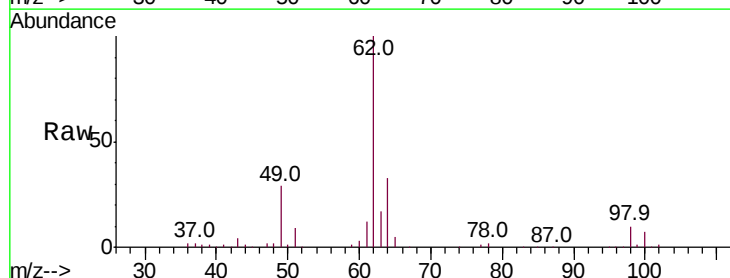
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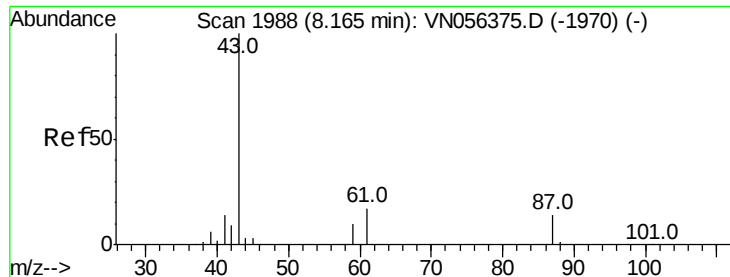
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#42
1,2-Dichloroethane
Concen: 48.792 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 52.925 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 380328

Ion Ratio Lower Upper

43 100

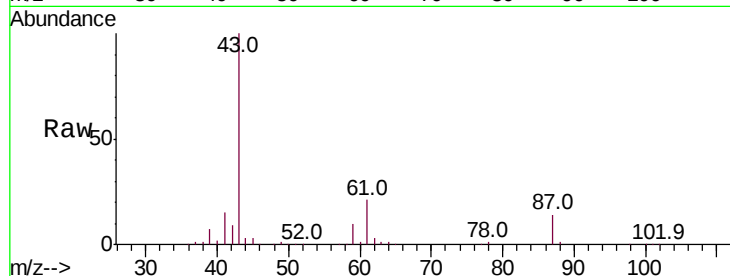
61 21.1 22.0 33.0#

87 13.5 11.0 16.4

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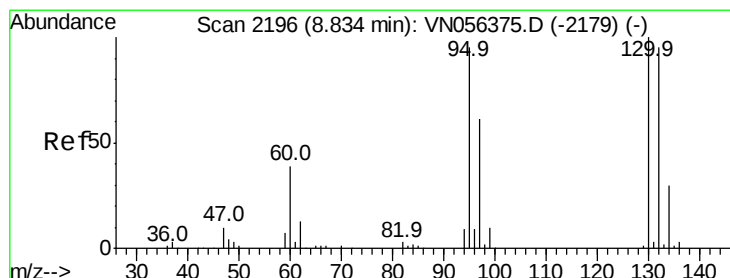
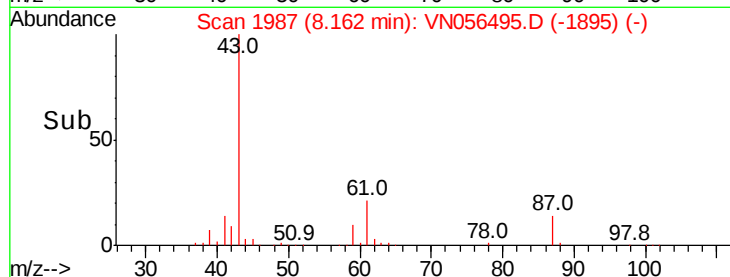
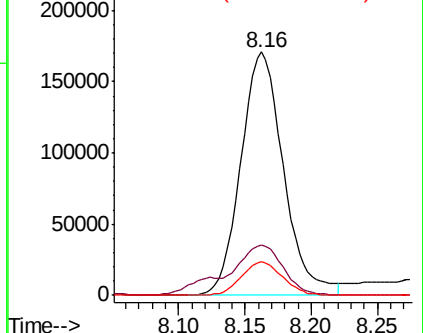
6/29/2019 7:22:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#44

Trichloroethene

Concen: 49.533 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056495.D

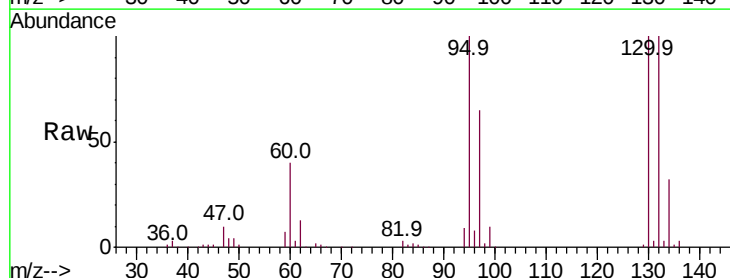
Acq: 26 Jun 2019 10:37

Tgt Ion:130 Resp: 194635

Ion Ratio Lower Upper

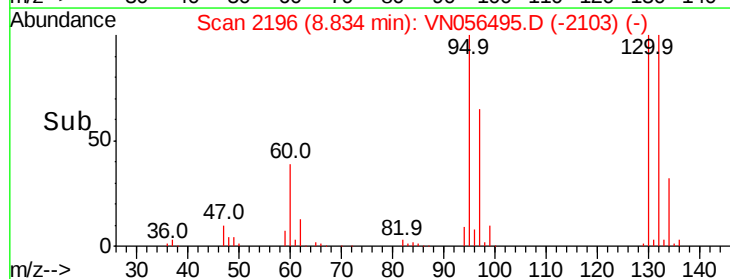
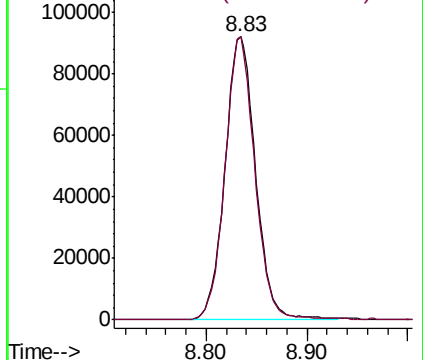
130 100

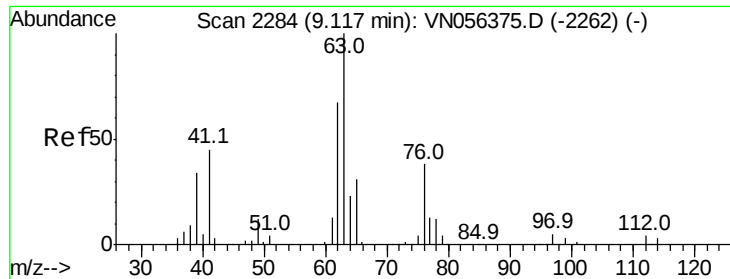
95 100.0 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 51.038 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 199107

Ion Ratio Lower Upper

63 100

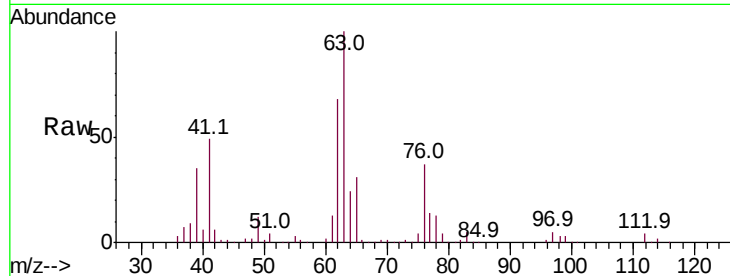
65 31.2 25.0 37.6

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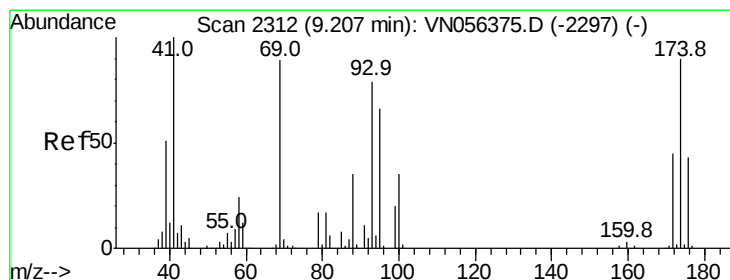
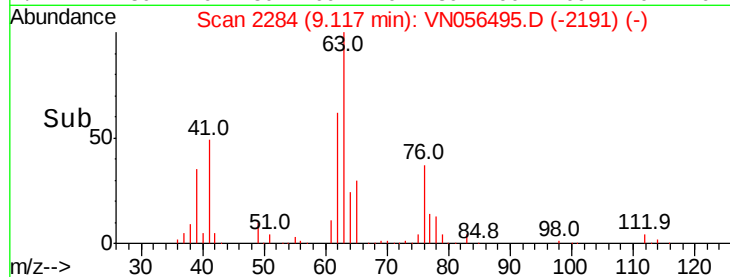
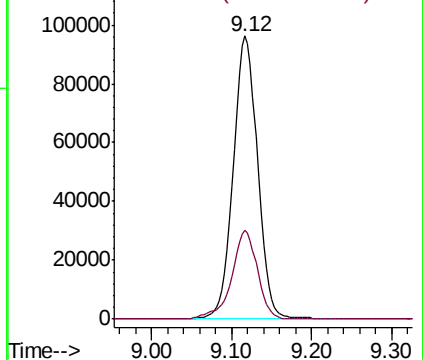
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.733 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

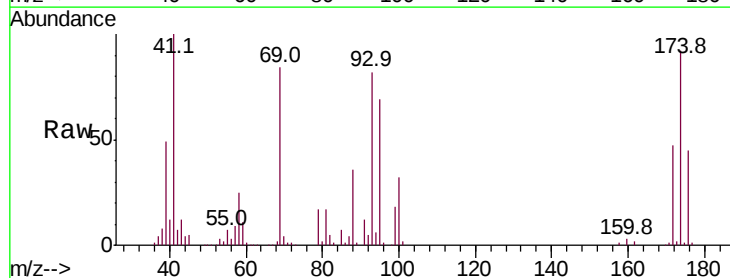
Tgt Ion: 93 Resp: 126266

Ion Ratio Lower Upper

93 100

95 83.9 66.2 99.2

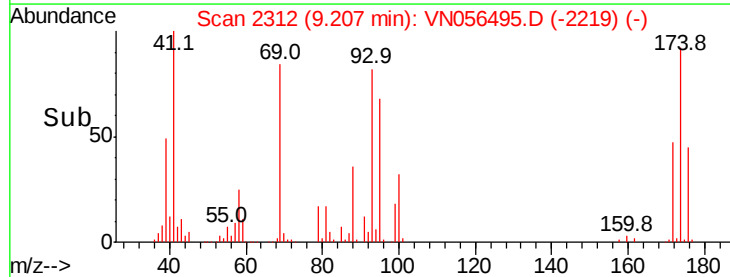
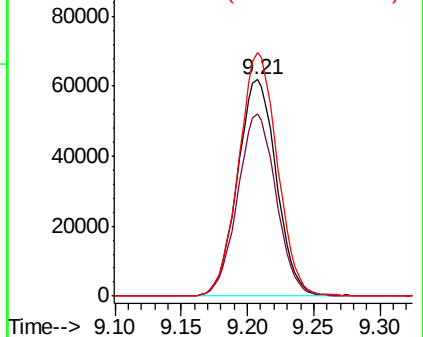
174 112.0 90.8 136.2

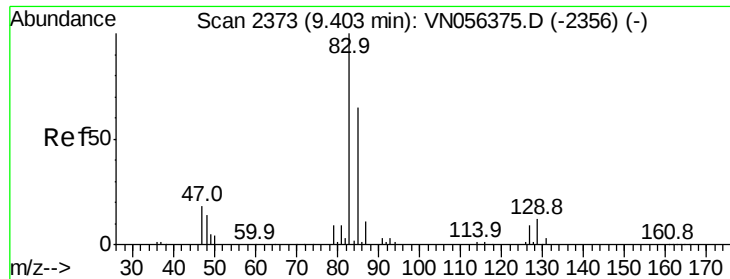


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.448 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

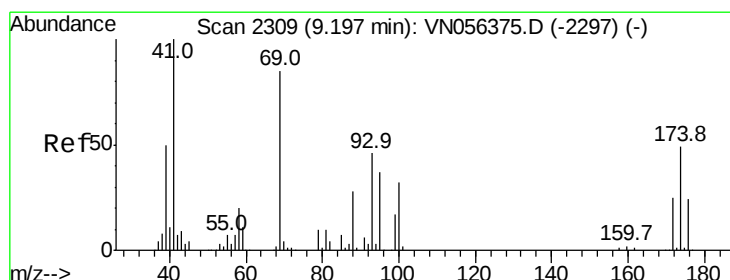
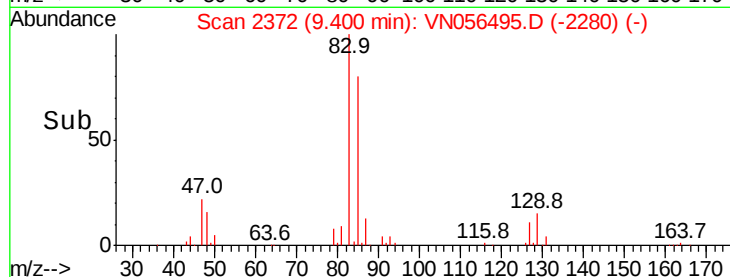
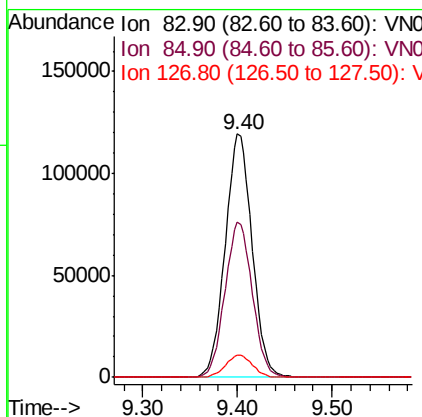
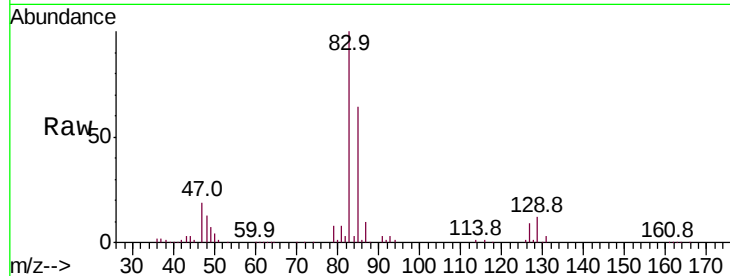
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	235689
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.4
127	9.0	7.3	10.9

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#48

Methyl methacrylate

Concen: 51.743 ug/l

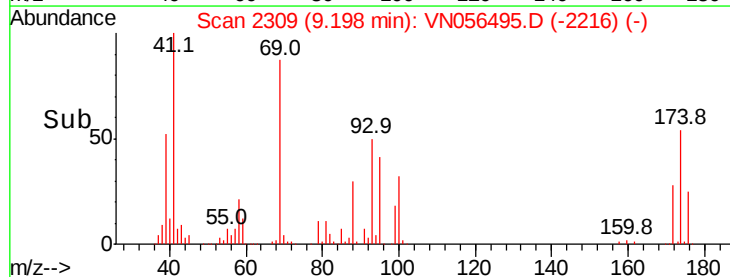
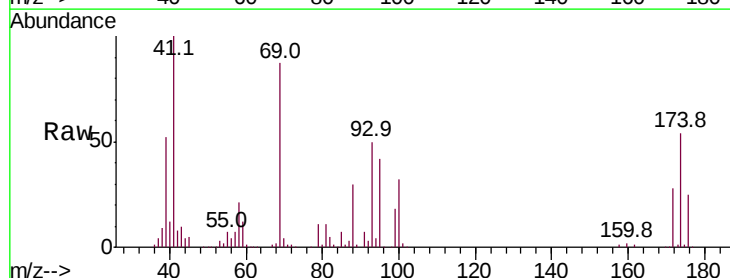
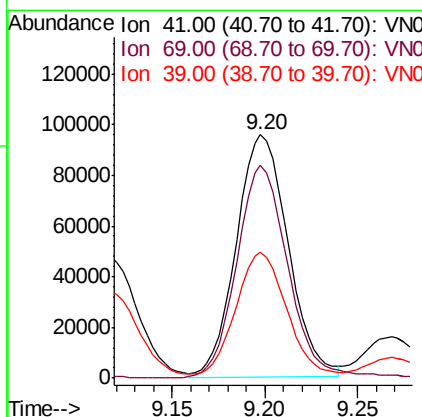
RT: 9.20 min Scan# 2309

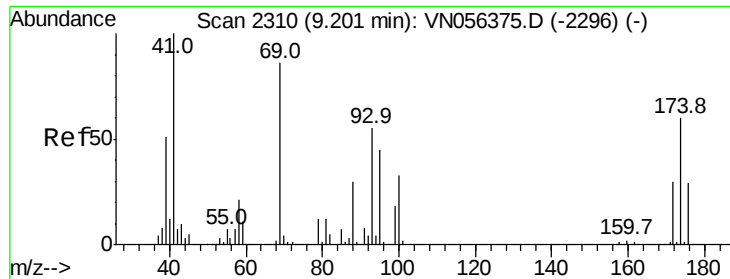
Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Tgt Ion:	41	Resp:	186336
Ion	Ratio	Lower	Upper
41	100		
69	86.6	72.6	109.0
39	51.0	42.6	63.8





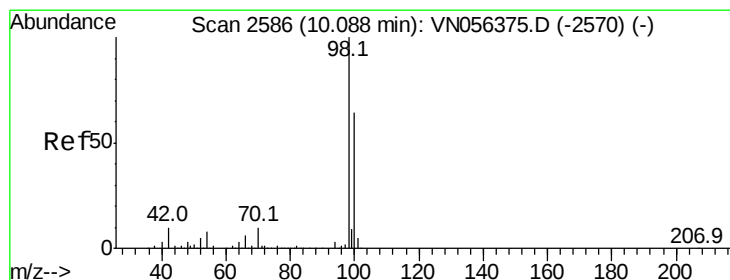
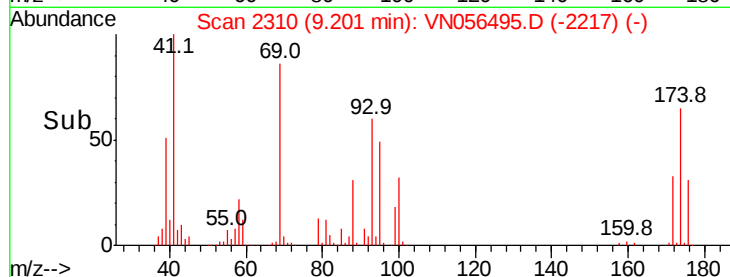
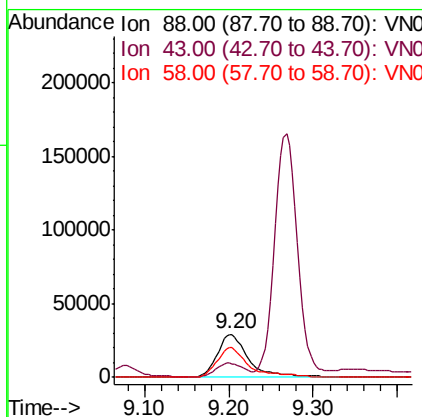
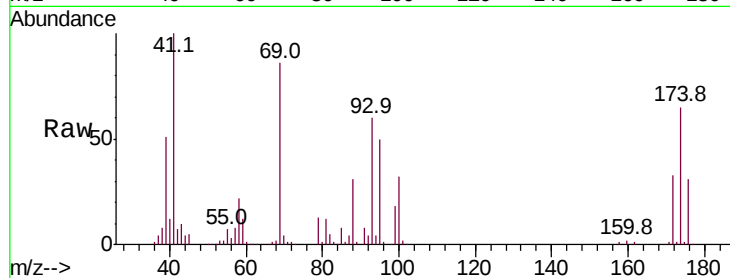
#49
1,4-Dioxane
Concen: 1017.236 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.9	22.0	33.0
58	71.8	51.8	77.8

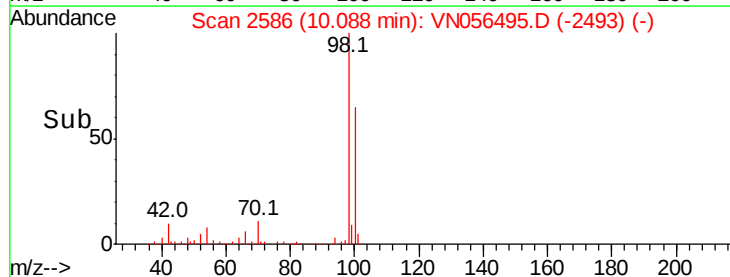
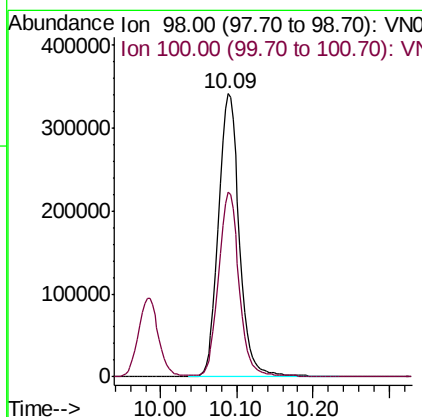
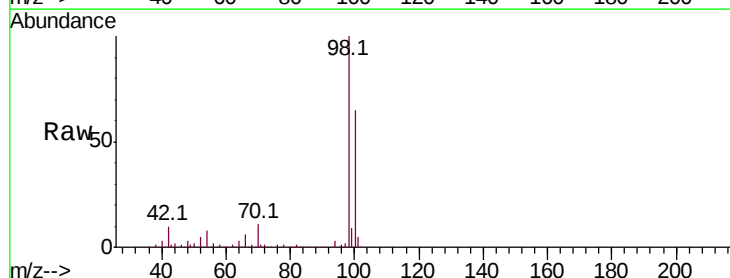
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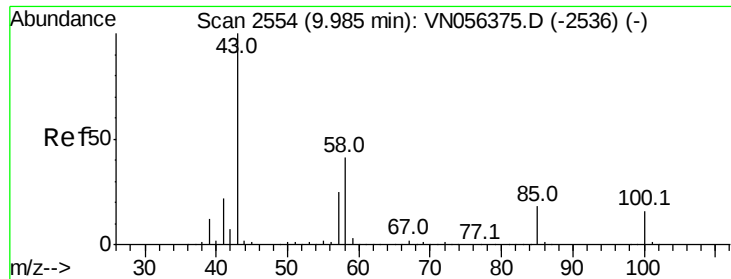
MMDadoda
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#50
Toluene-d8
Concen: 49.894 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 254.674 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1181239

Ion Ratio Lower Upper

43 100

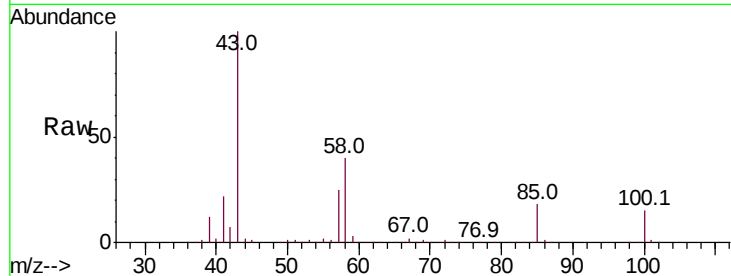
58 39.6 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

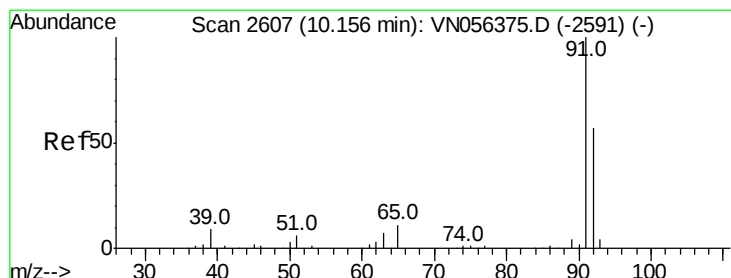
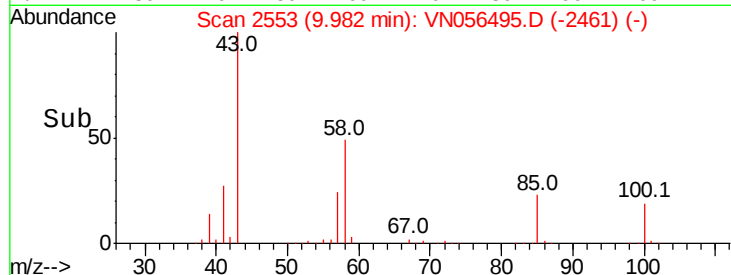
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.936 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056495.D

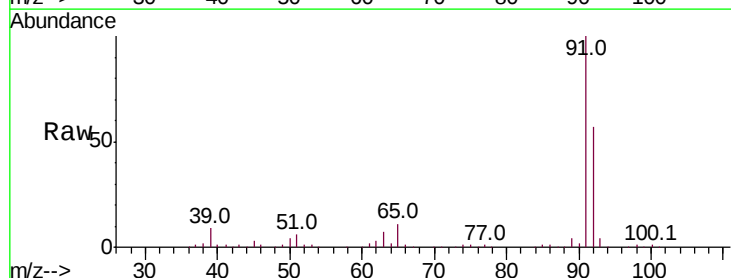
Acq: 26 Jun 2019 10:37

Tgt Ion: 92 Resp: 445339

Ion Ratio Lower Upper

92 100

91 174.8 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

400000

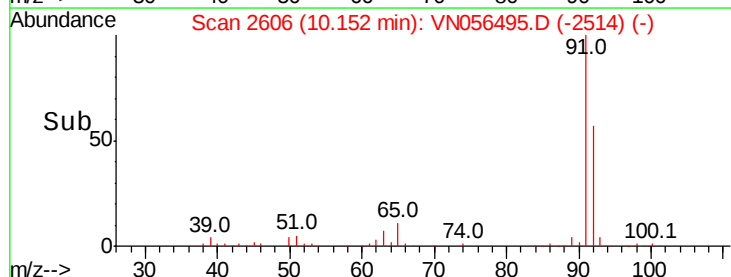
300000

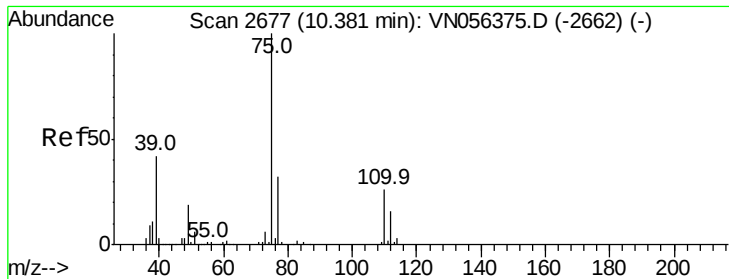
200000

100000

0

Time-->





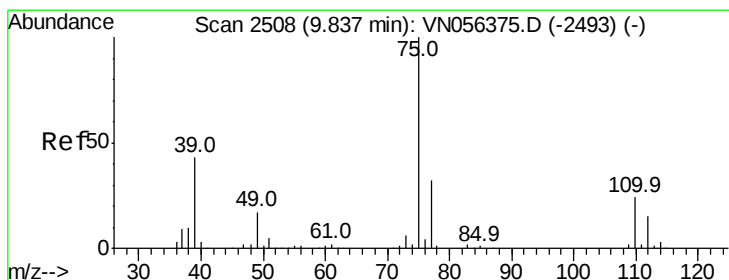
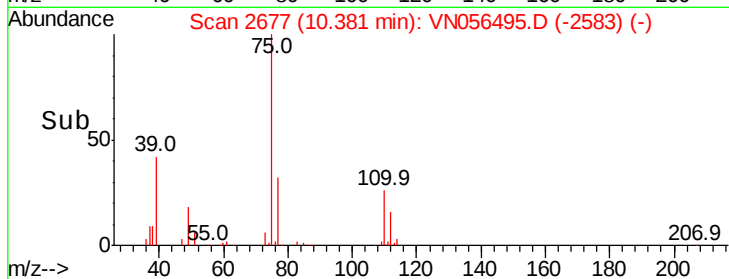
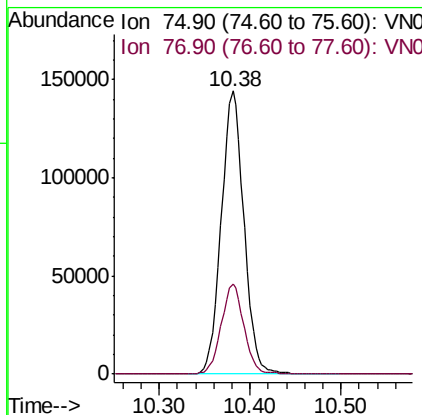
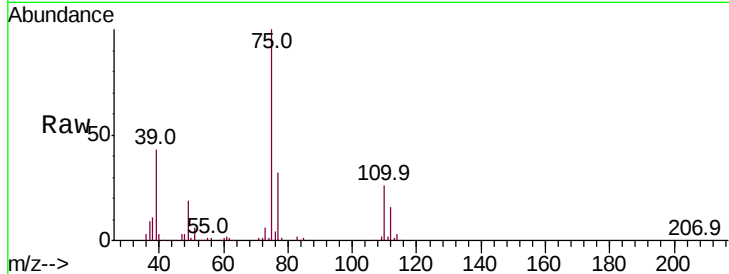
#53
 t-1,3-Dichloropropene
 Concen: 49.573 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	75	Resp	249800
Ion Ratio	100	Lower	Upper
77	31.9	25.4	38.2

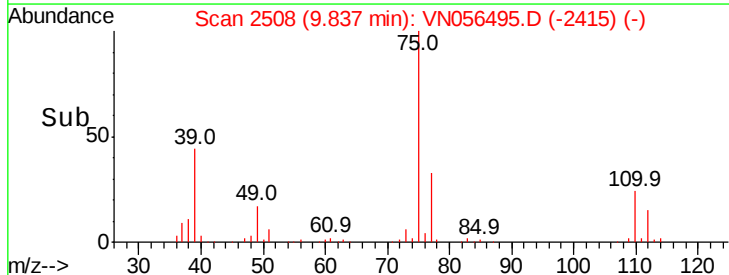
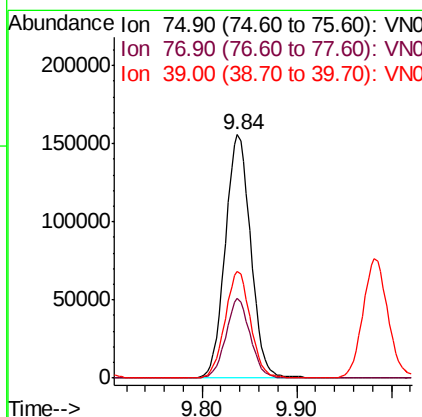
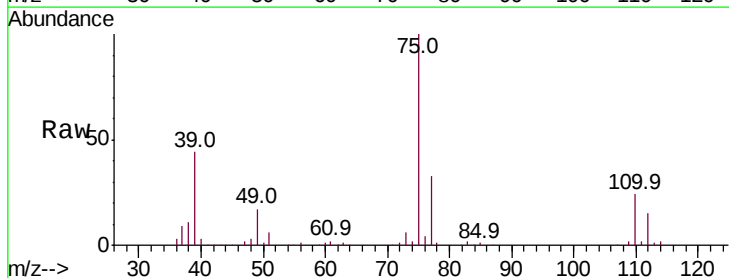
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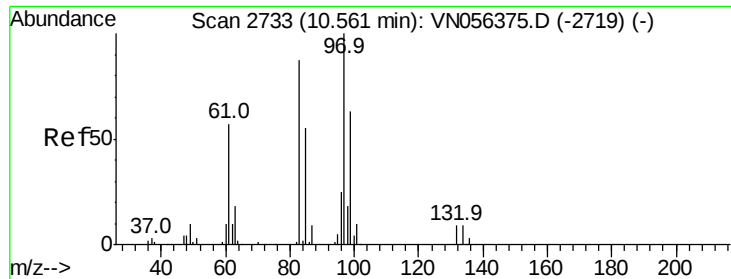
MMDadoda
 6/29/2019 7:22:49 AM



#54
 cis-1,3-Dichloropropene
 Concen: 55.891 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Tgt Ion	75	Resp	291347
Ion Ratio	100	Lower	Upper
77	32.6	25.2	37.8
39	43.8	34.2	51.4





#55

1,1,2-Trichloroethane

Concen: 52.132 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

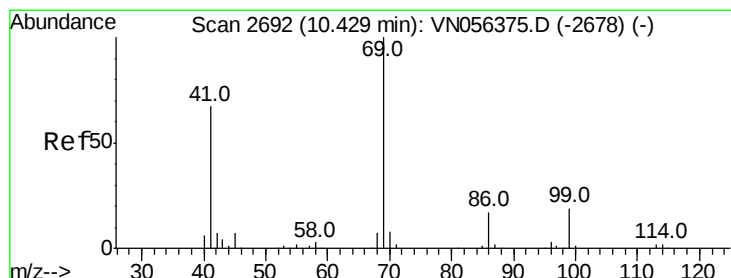
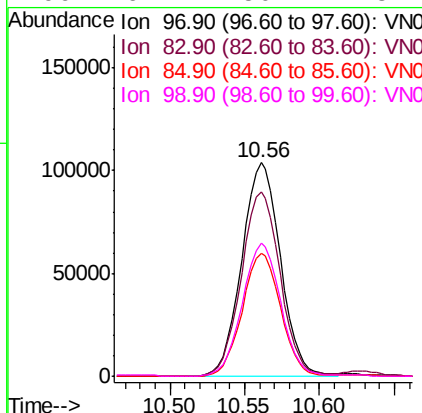
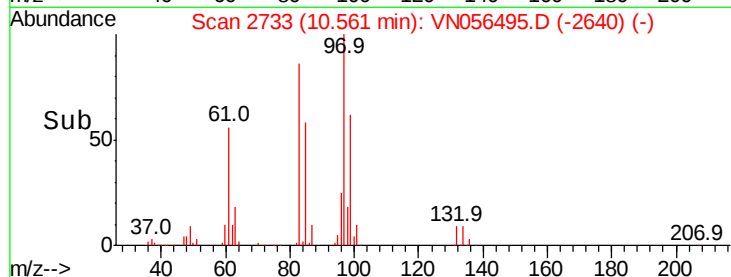
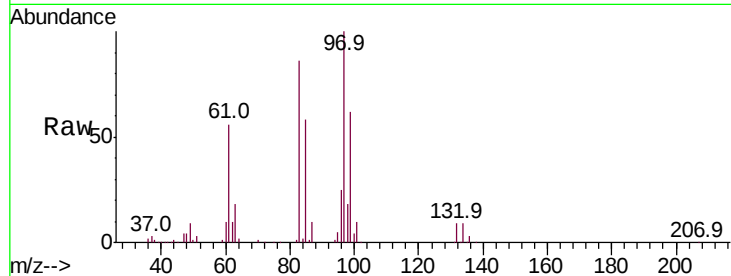
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	186881
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.8	104.6
85	57.8	43.8	65.8
99	62.4	50.2	75.2

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#56

Ethyl methacrylate

Concen: 52.782 ug/l

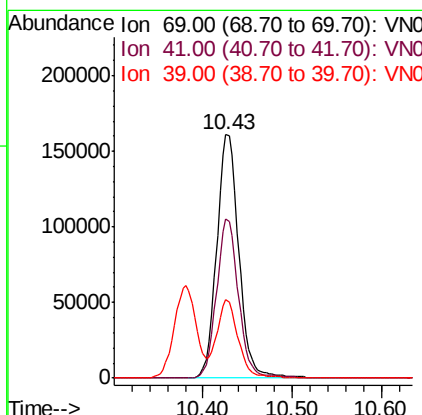
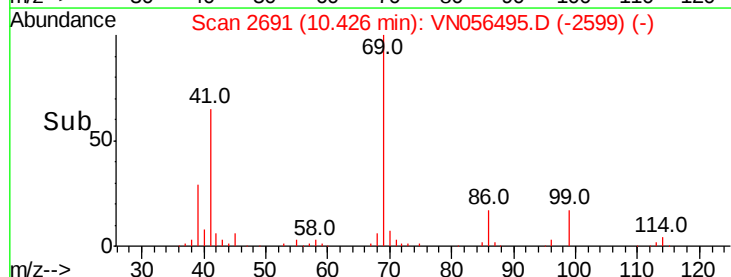
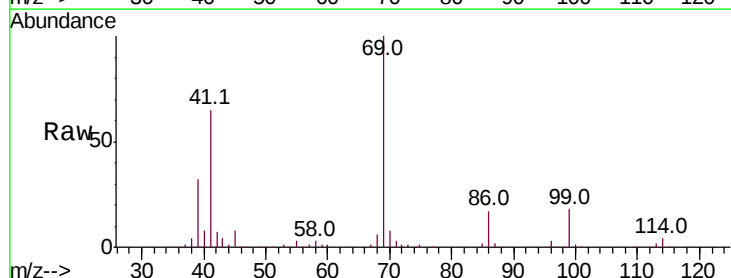
RT: 10.43 min Scan# 2691

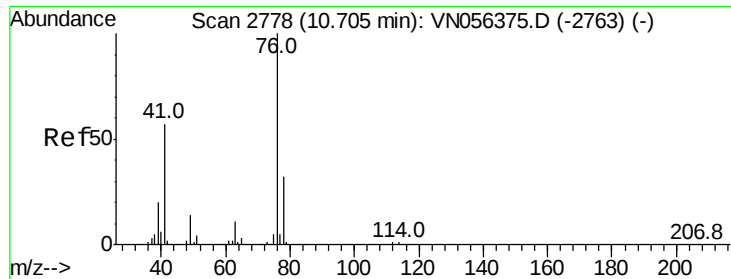
Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Tgt Ion:	69	Resp:	276519
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.4	77.2
39	31.5	24.7	37.1





#57

1,3-Dichloropropane

Concen: 51.462 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 309912

Ion Ratio Lower Upper

76 100

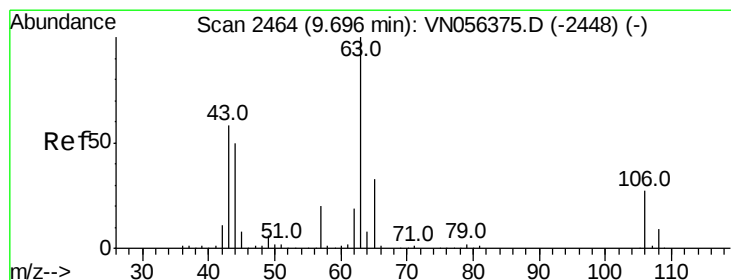
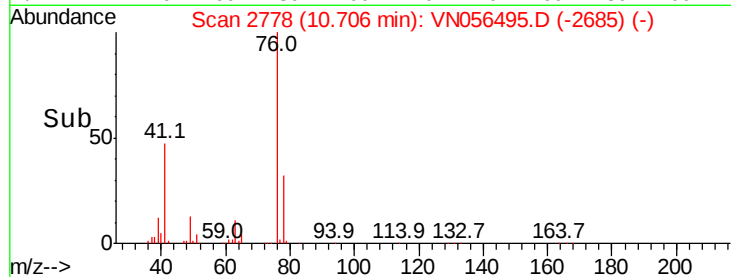
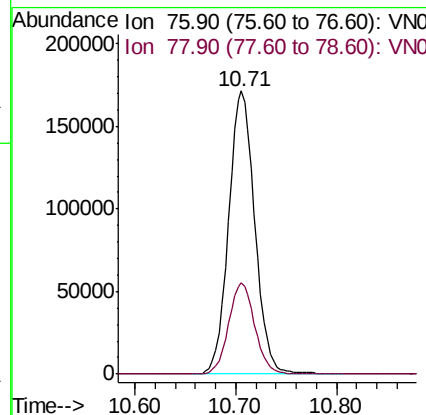
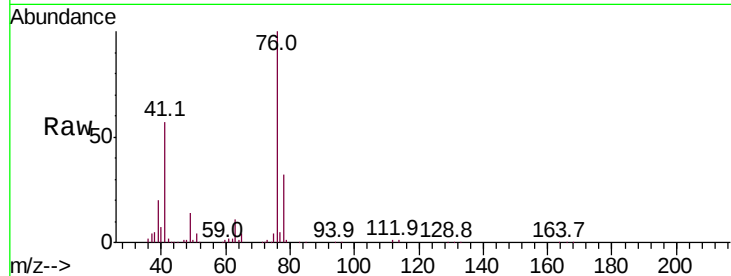
78 32.5 25.9 38.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 223.070 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN056495.D

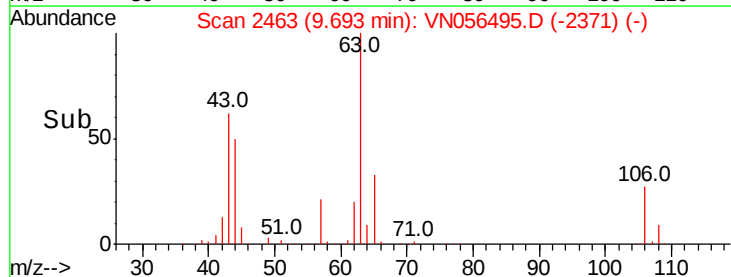
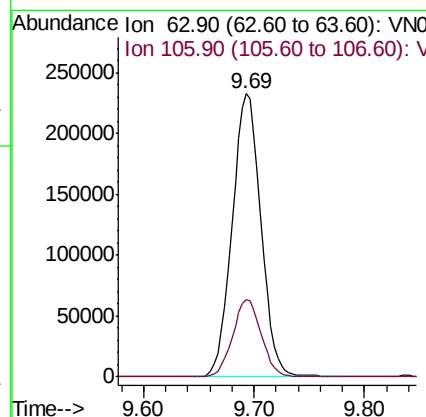
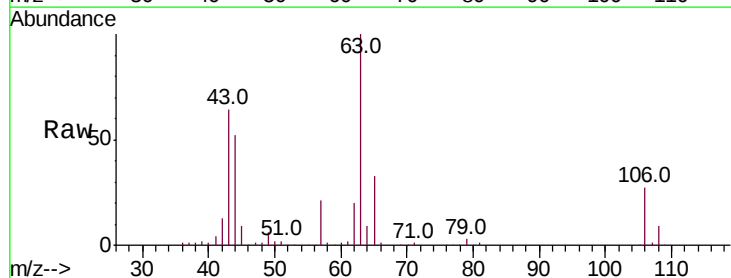
Acq: 26 Jun 2019 10:37

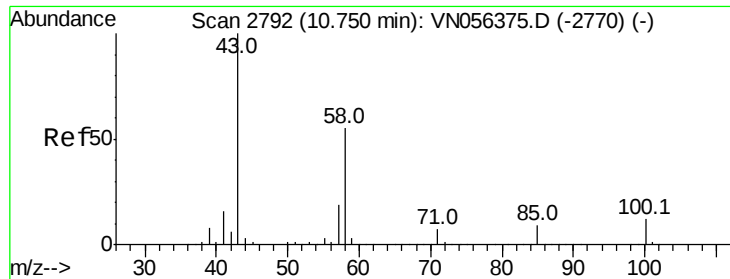
Tgt Ion: 63 Resp: 419834

Ion Ratio Lower Upper

63 100

106 27.2 21.6 32.4





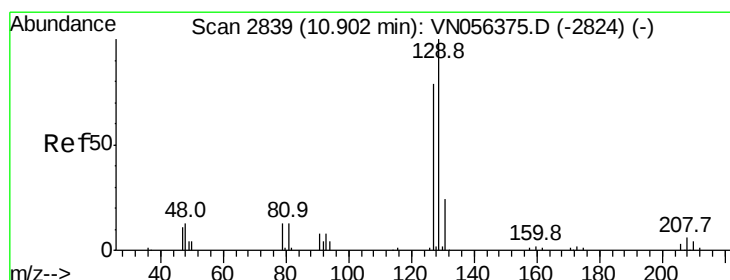
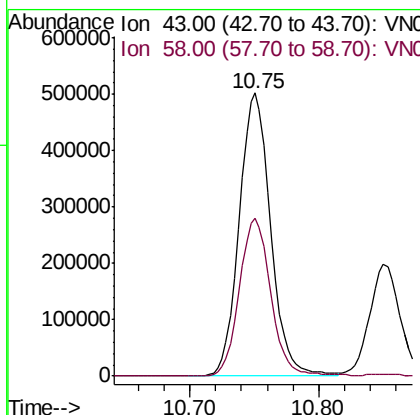
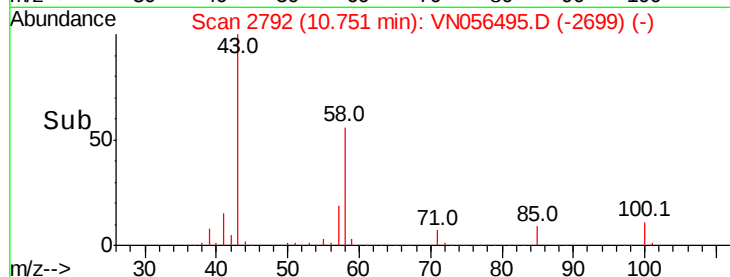
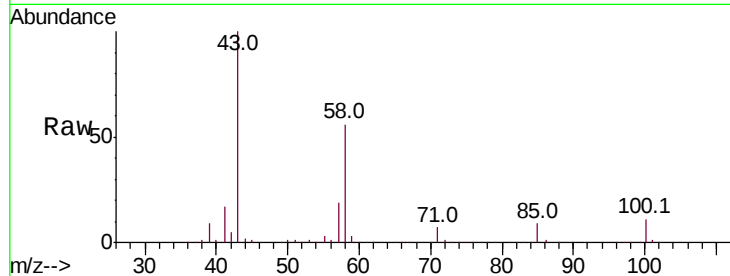
#59
2-Hexanone
Concen: 248.730 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 847908
Ion Ratio Lower Upper
43 100
58 56.0 27.8 83.4

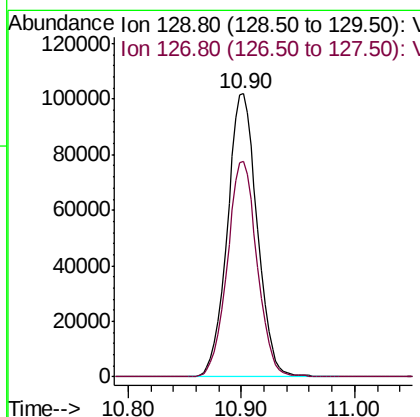
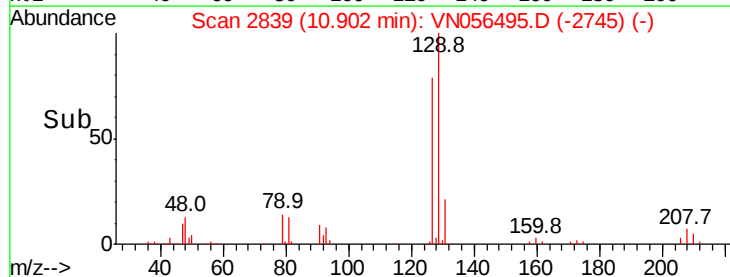
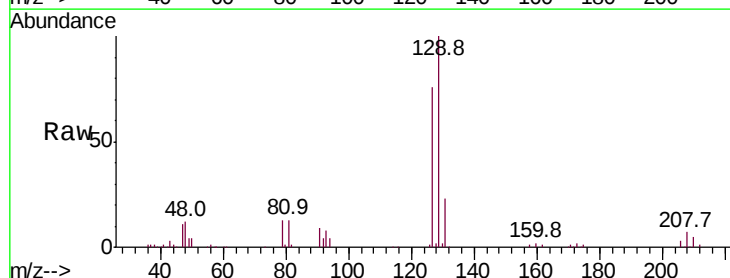
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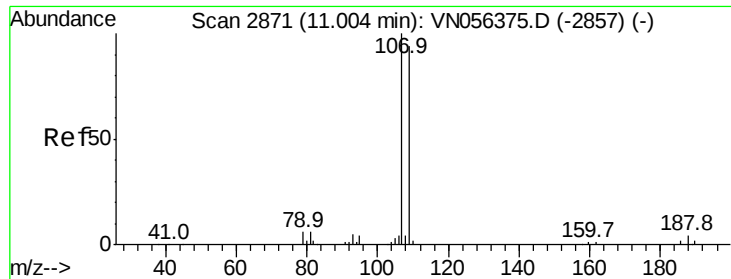
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#60
Dibromochloromethane
Concen: 50.644 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion: 129 Resp: 186725
Ion Ratio Lower Upper
129 100
127 75.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.923 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 190104

Ion Ratio Lower Upper

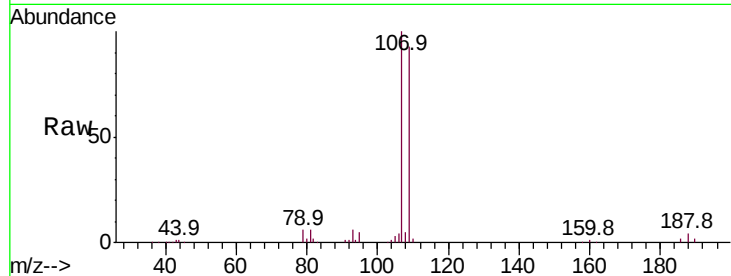
107 100

109 94.0 75.3 112.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

120000

100000

80000

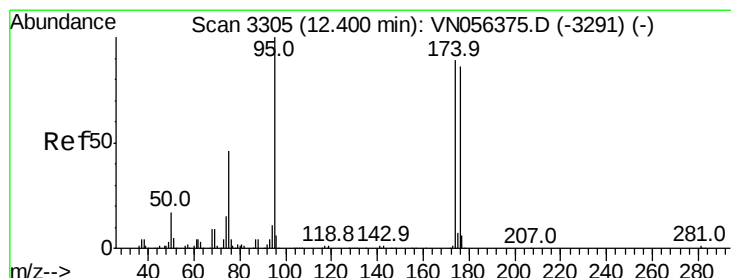
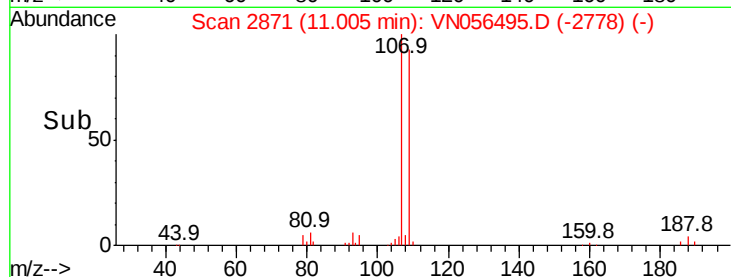
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 52.208 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

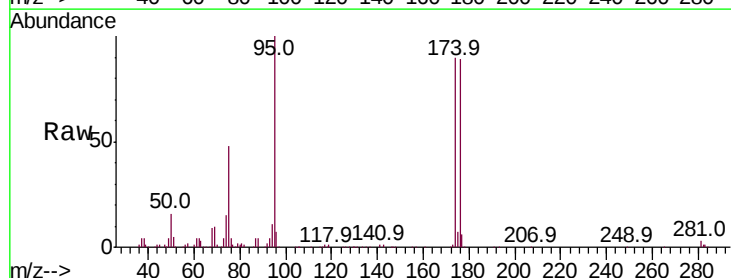
Tgt Ion: 95 Resp: 227615

Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.4

176 87.3 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

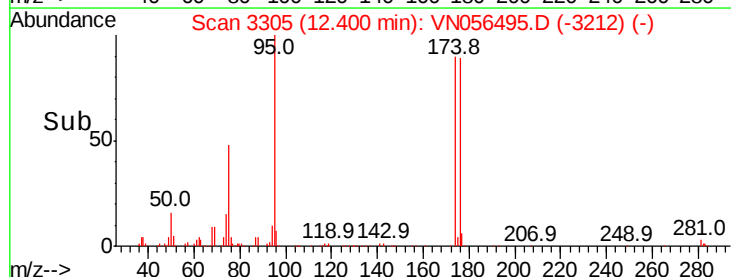
150000

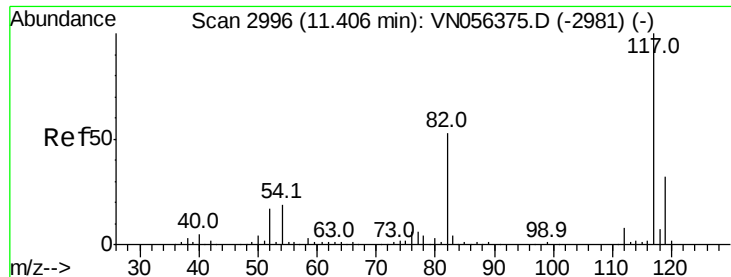
100000

50000

0

Time--> 12.35 12.40 12.45





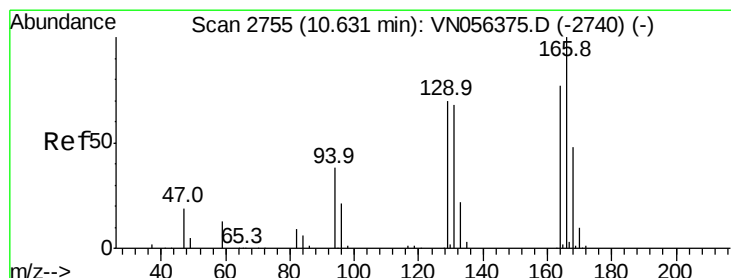
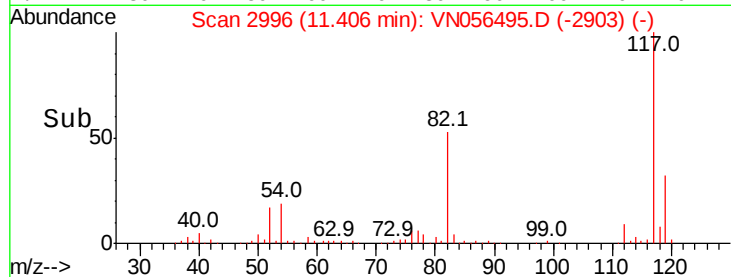
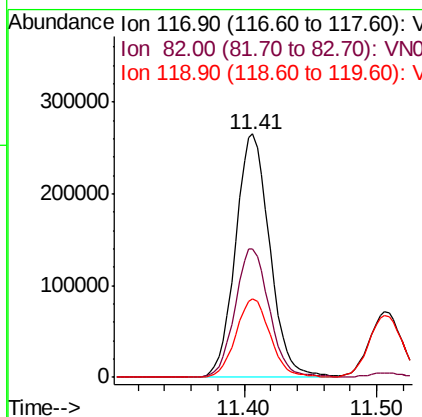
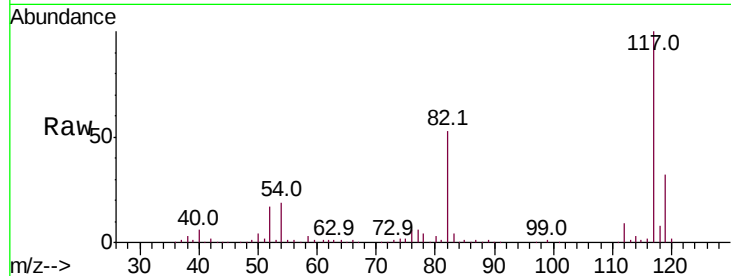
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.0	63.0
119	32.3	25.3	37.9

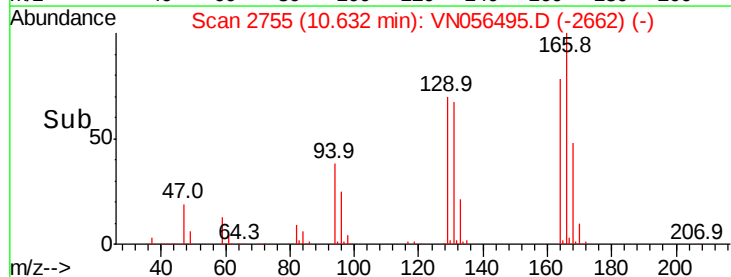
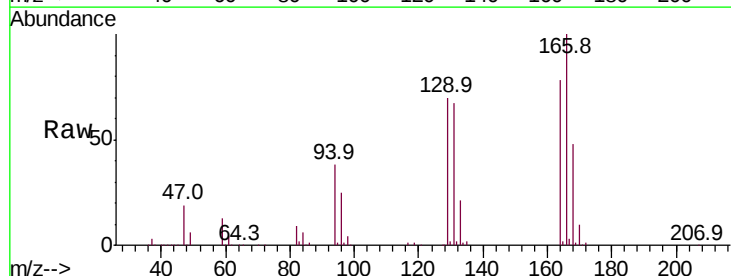
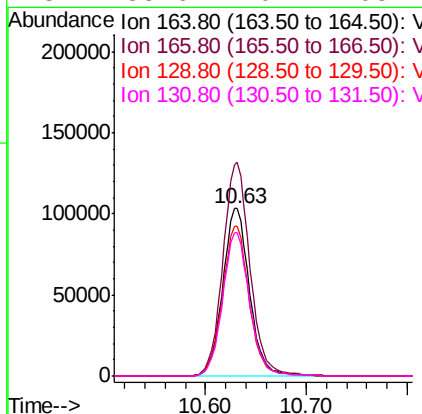
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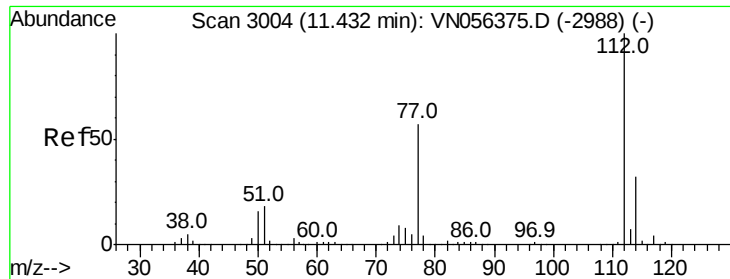
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#64
Tetrachloroethene
Concen: 50.654 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	103.4	155.0
129	89.7	72.0	108.0
131	85.6	70.2	105.2





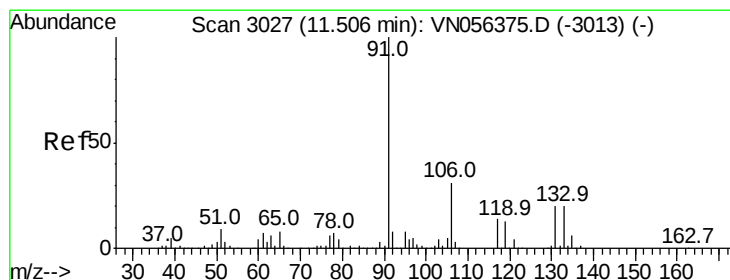
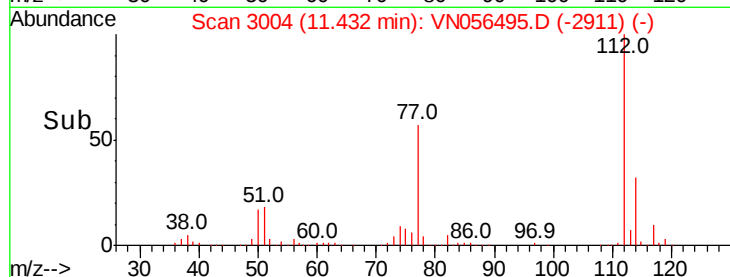
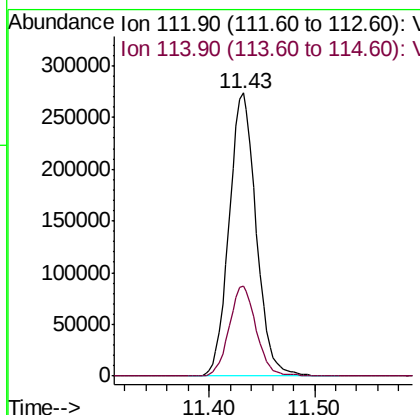
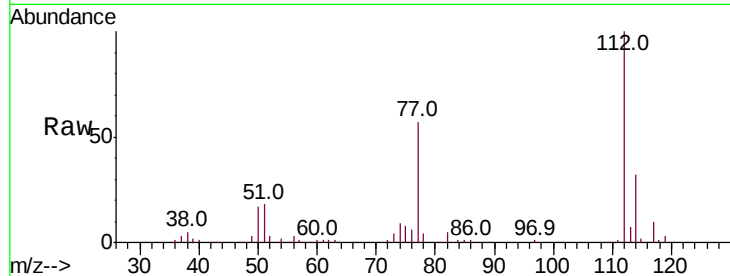
#65
Chlorobenzene
Concen: 50.653 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 485272
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

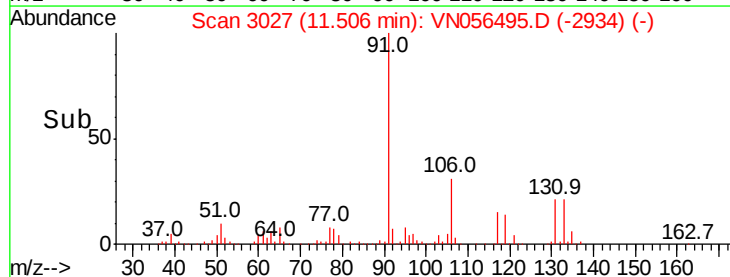
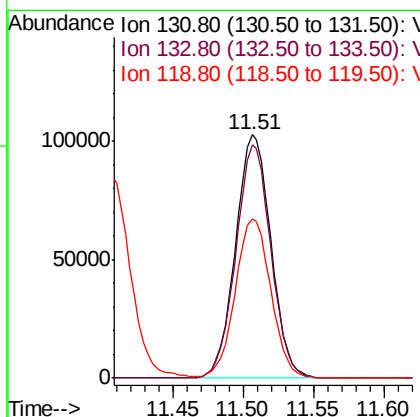
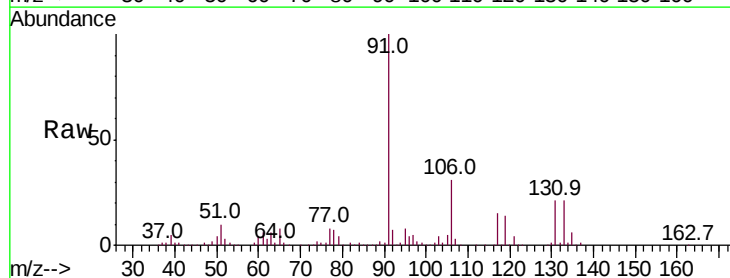
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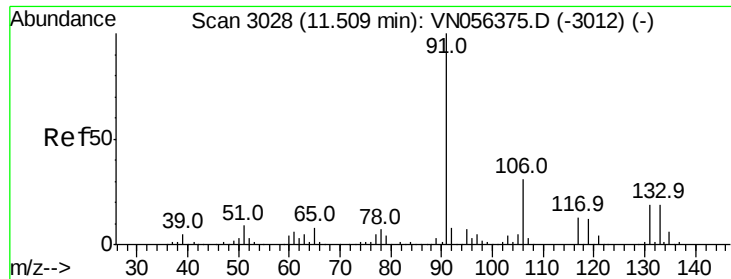
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.839 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion:131 Resp: 180805
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 66.0 32.8 98.4





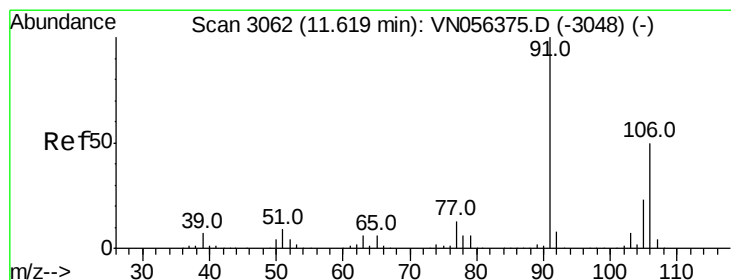
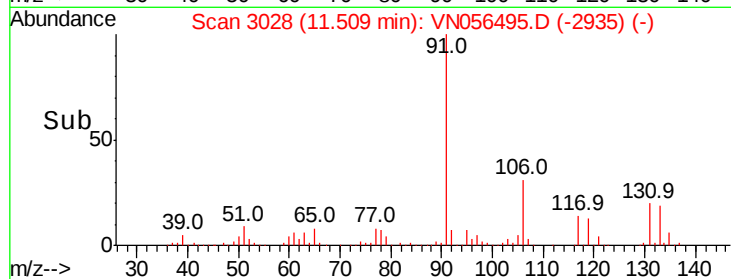
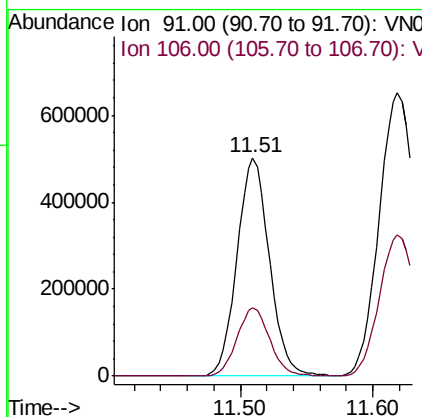
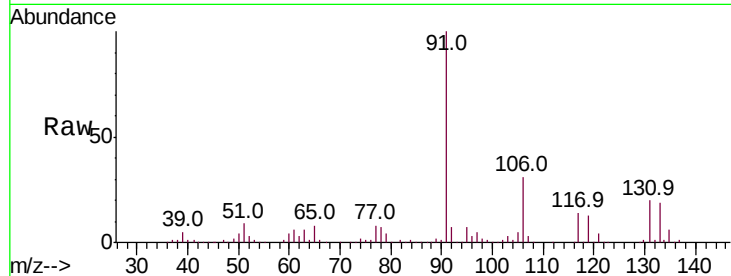
#67
Ethyl Benzene
Concen: 50.725 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 853280
Ion Ratio Lower Upper
91 100
106 31.3 25.1 37.7

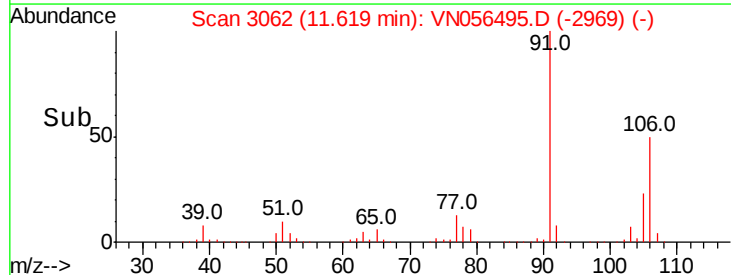
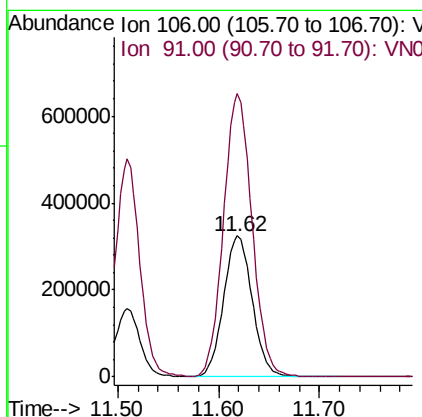
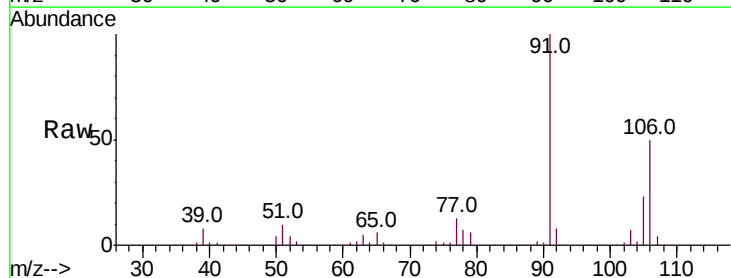
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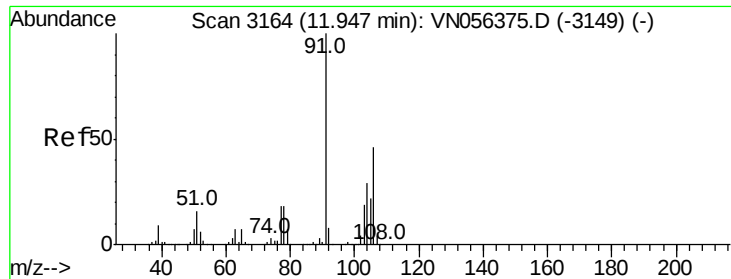
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#68
m/p-Xylenes
Concen: 104.201 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion: 106 Resp: 642381
Ion Ratio Lower Upper
106 100
91 200.3 160.1 240.1





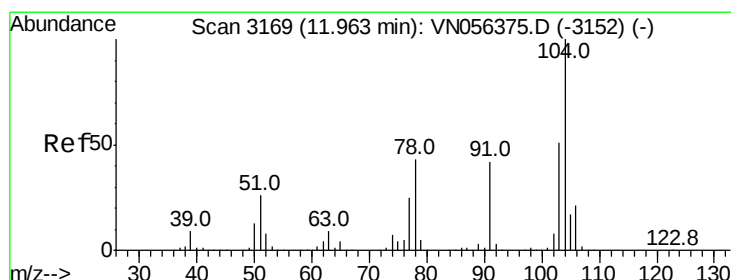
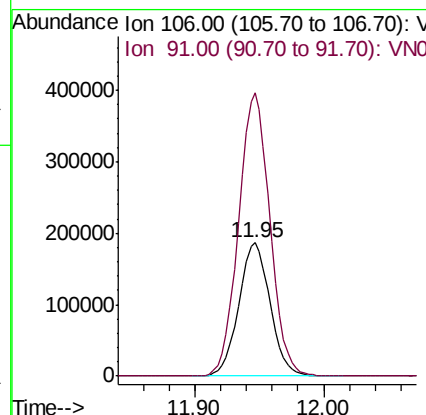
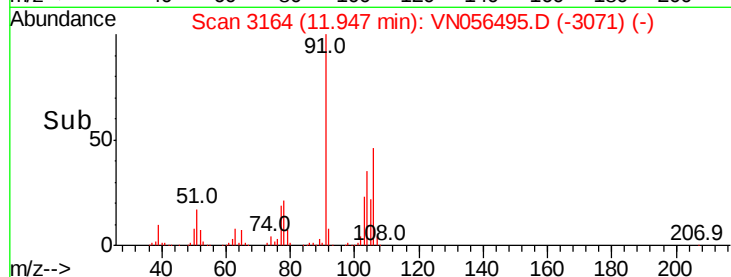
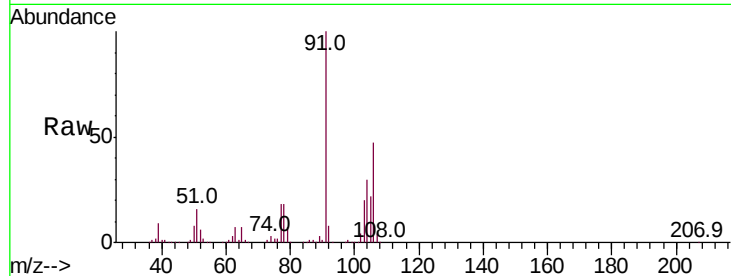
#69
o-Xylene
Concen: 51.413 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 313570
Ion Ratio Lower Upper
106 100
91 213.2 107.1 321.3

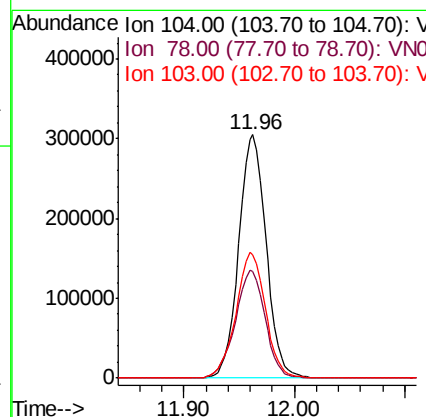
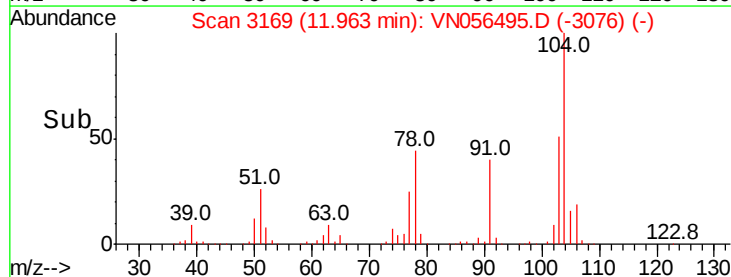
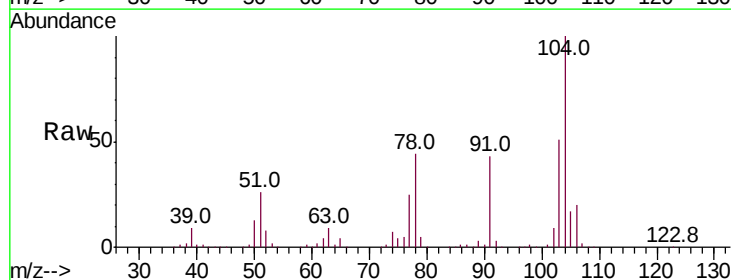
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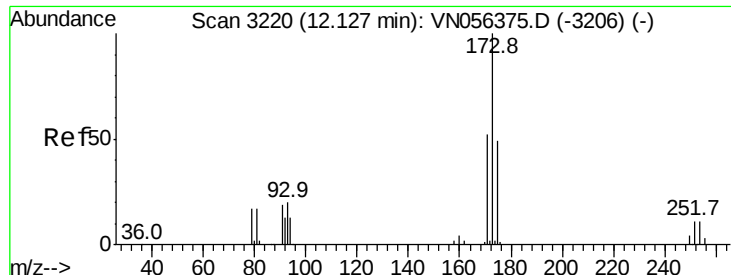
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#70
Styrene
Concen: 53.871 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion:104 Resp: 525185
Ion Ratio Lower Upper
104 100
78 48.3 38.6 57.8
103 55.5 43.9 65.9





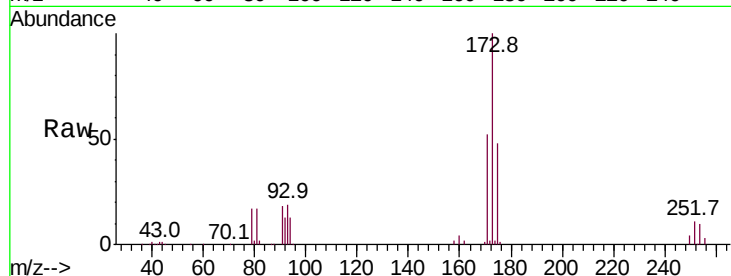
#71
Bromoform
Concen: 50.004 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.4	73.4
254	0.0	0.0	0.0

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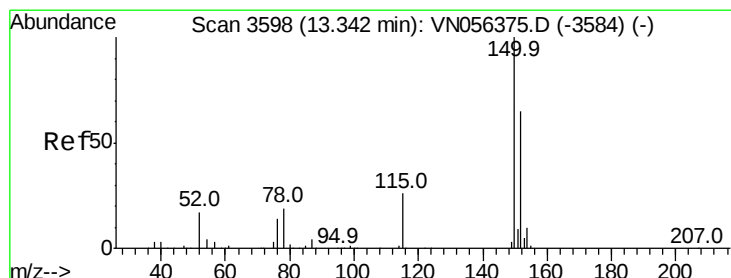
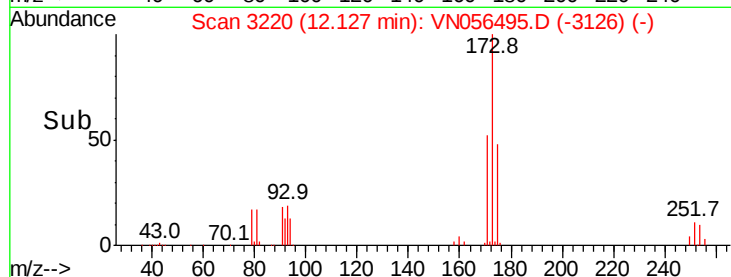
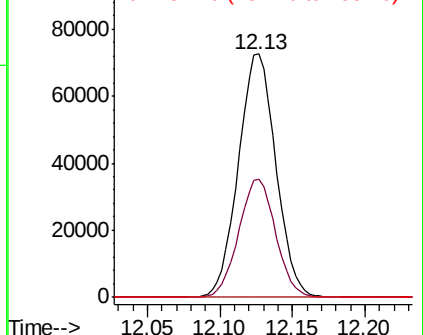


Abundance

Ion 172.70 (172.40 to 173.40): V

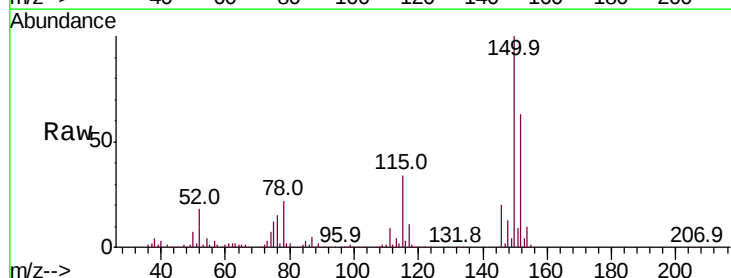
Ion 174.70 (174.40 to 175.40): V

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: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.1	84.4
150	174.3	0.0	348.4

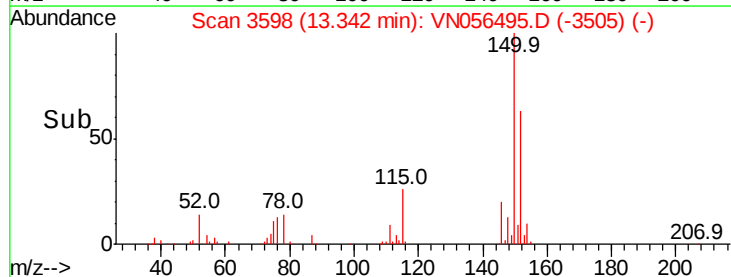
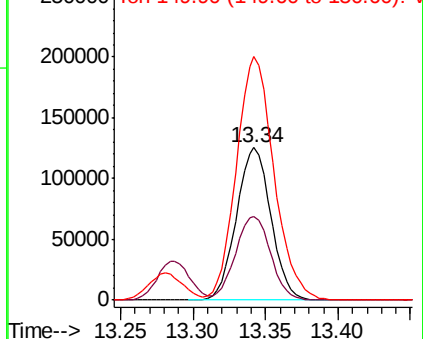


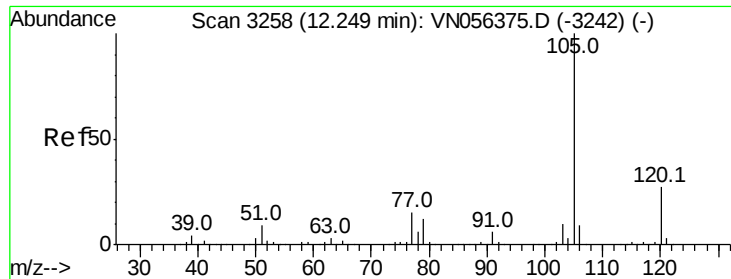
Abundance

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: 54.219 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 839521

Ion Ratio Lower Upper

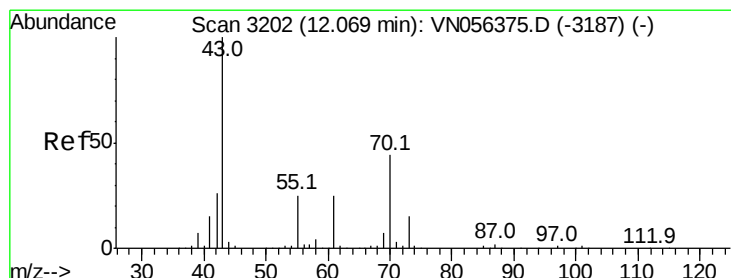
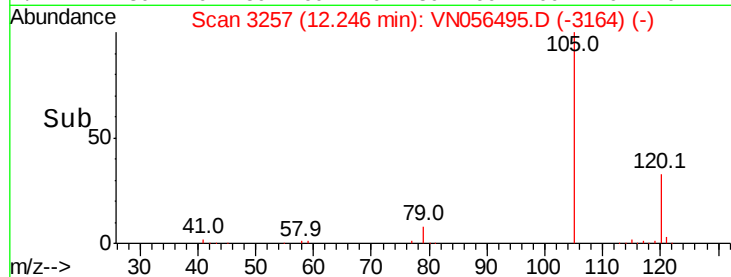
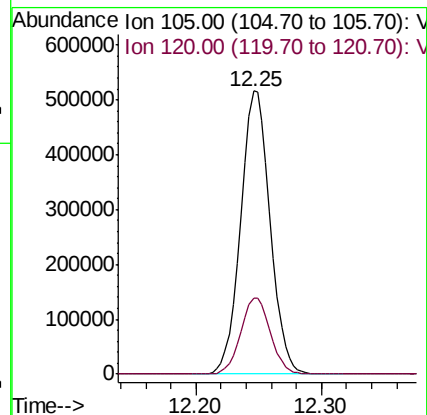
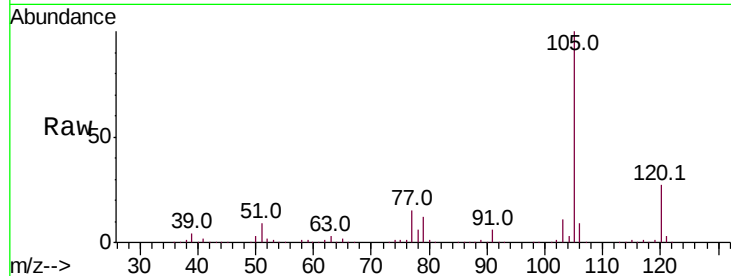
105 100

120 27.0 13.4 40.2

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#74

N-ethyl acetate

Concen: 47.151 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Tgt Ion: 43 Resp: 310654

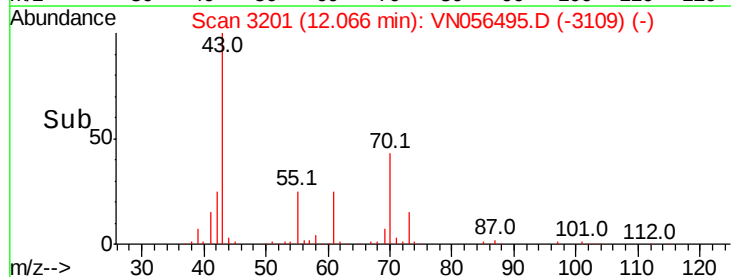
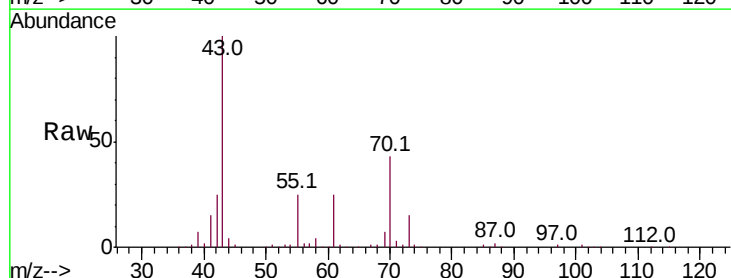
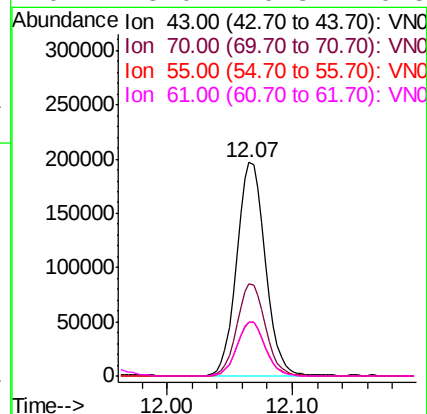
Ion Ratio Lower Upper

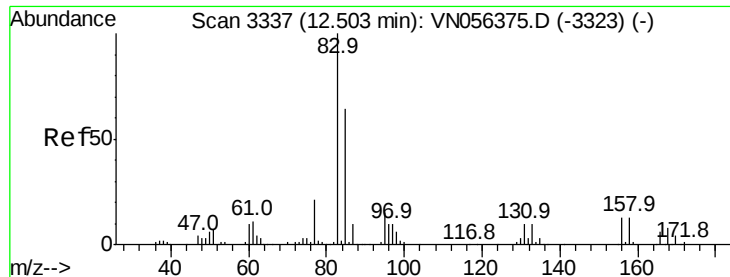
43 100

70 43.2 34.9 52.3

55 25.6 20.4 30.6

61 25.0 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 54.177 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

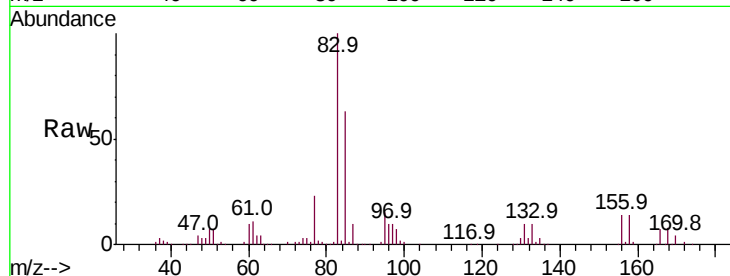
ClientSampleId :

VSTDCCC050

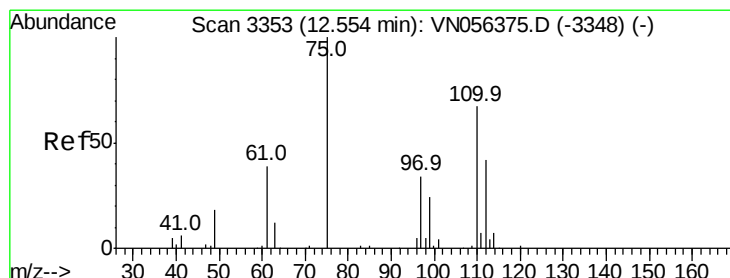
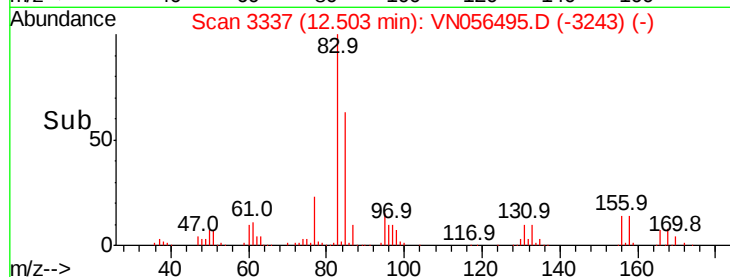
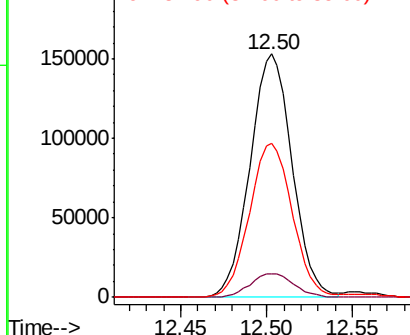
Tot Ion:	83	Resp:	259558
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	64.3	32.4	97.0

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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: 51.924 ug/l m

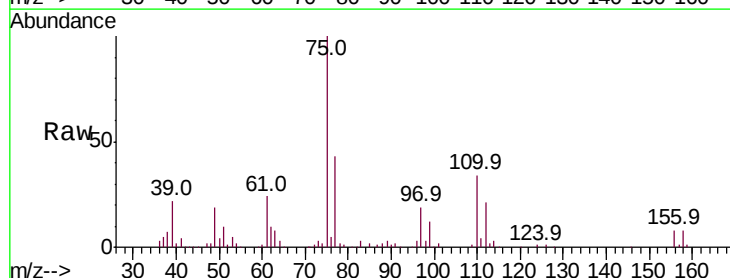
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

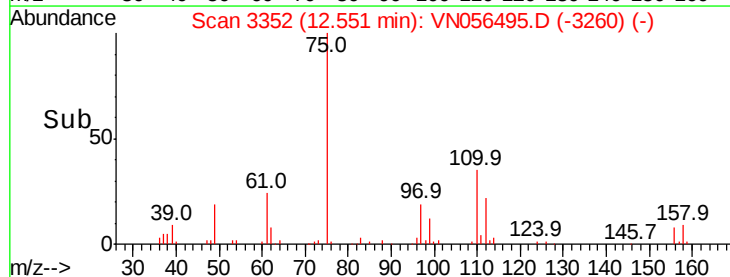
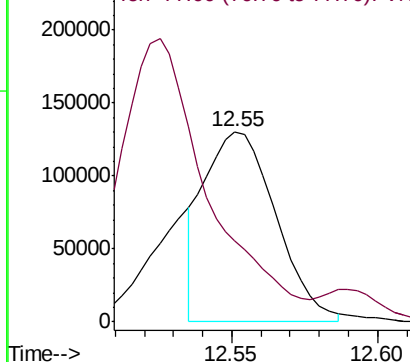
Lab File: VN056495.D

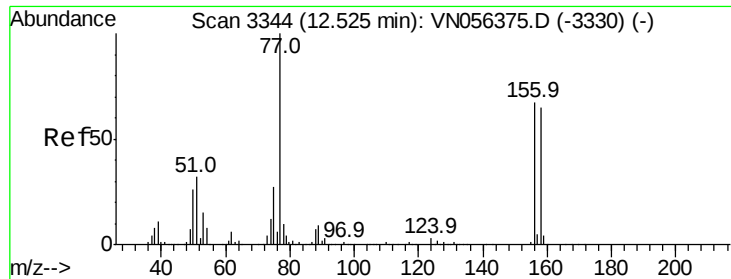
Acq: 26 Jun 2019 10:37

Tgt Ion:	75	Resp:	222887
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: 47.398 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

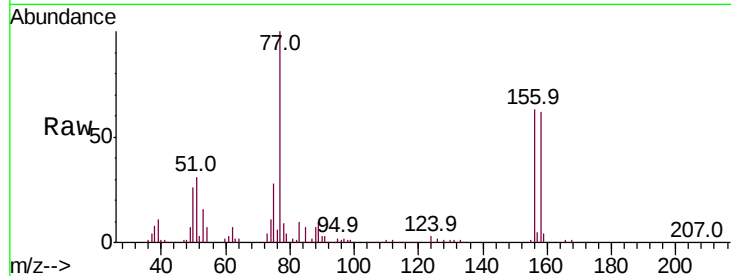
ClientSampled :

VSTDCCC050

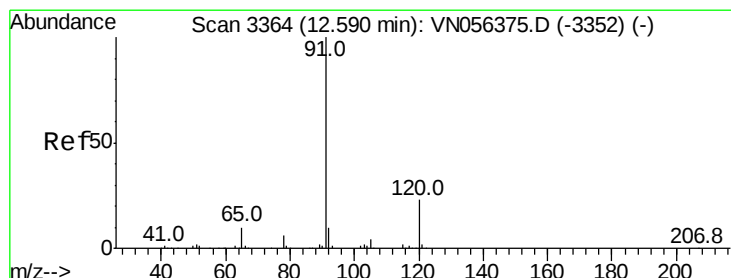
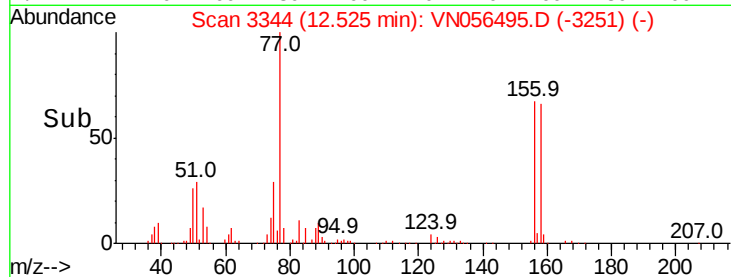
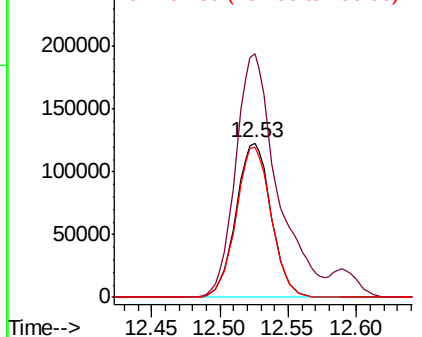
Tot Ion:	156	Resp:	219400
Ion Ratio	Lower	Upper	
156	100		
77	188.3	92.5	277.3
158	97.5	48.7	146.1

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.360 ug/l

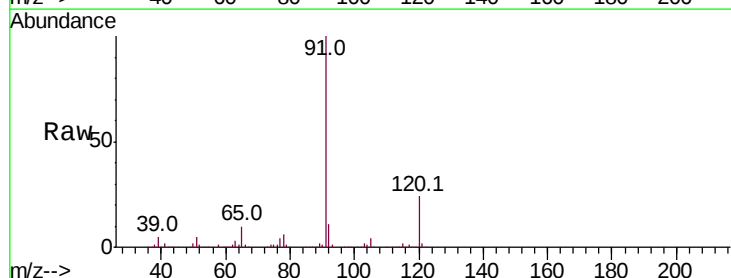
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

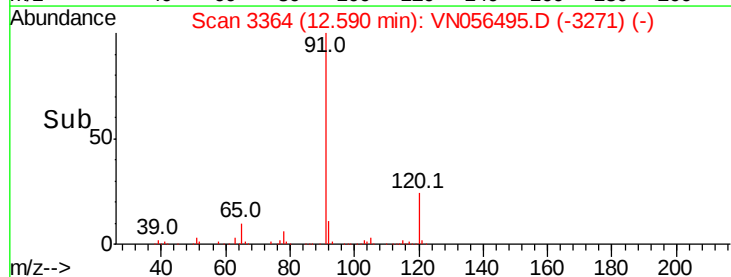
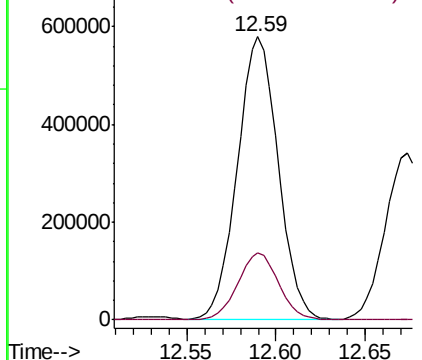
Lab File: VN056495.D

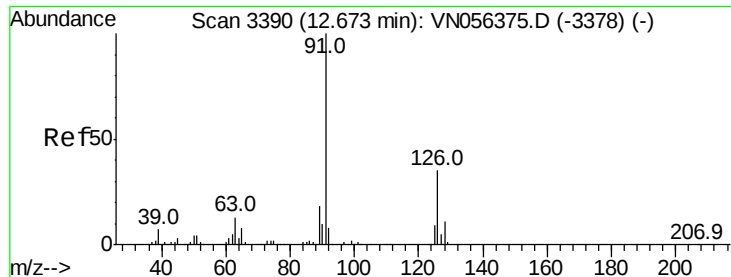
Acq: 26 Jun 2019 10:37

Tgt Ion:	91	Resp:	916803
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.252 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 561727

Ion Ratio Lower Upper

91 100

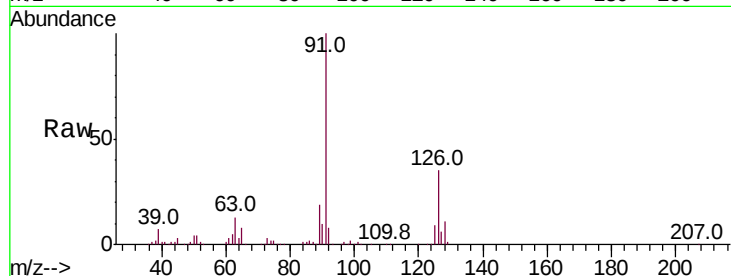
126 35.5 17.6 52.8

Manual Integrations

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

Ion 125.90 (125.60 to 126.60): VN056375.D (-3378) (-)

500000

400000

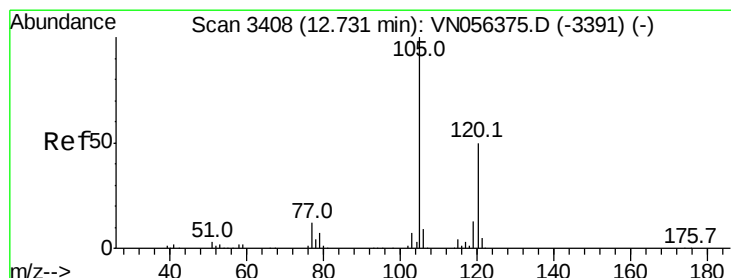
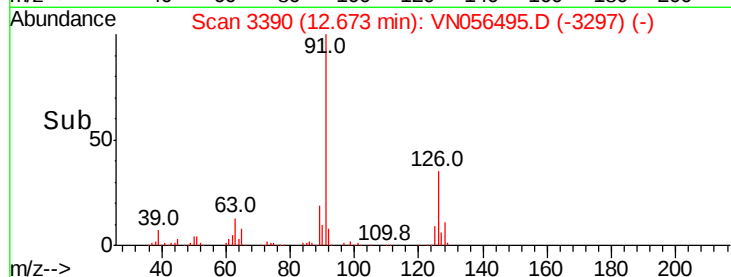
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 53.644 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056495.D

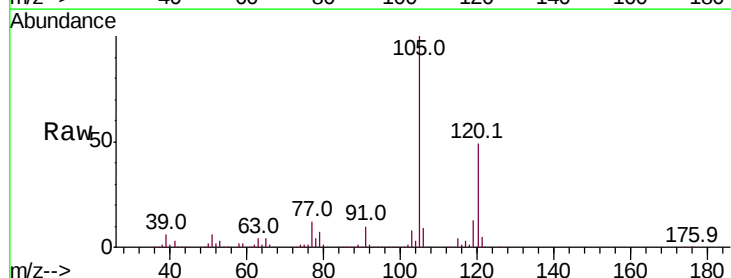
Acq: 26 Jun 2019 10:37

Tgt Ion:105 Resp: 696746

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4



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

Ion 120.00 (119.70 to 120.70): VN056375.D (-3391) (-)

500000

400000

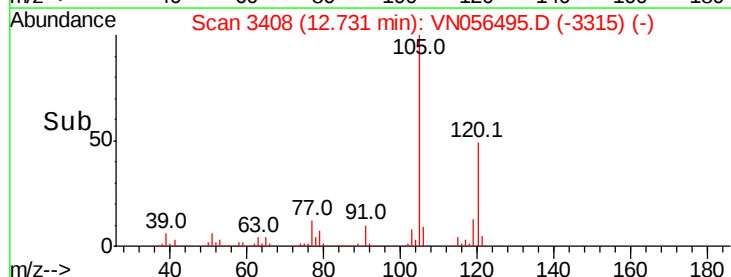
300000

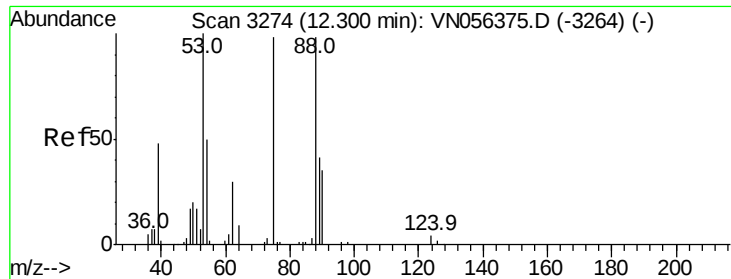
200000

100000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 55.745 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 67326

Ion Ratio Lower Upper

75 100

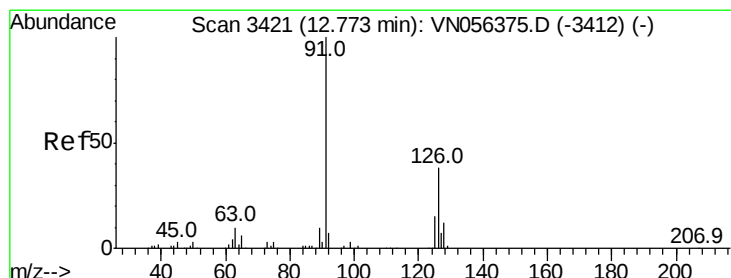
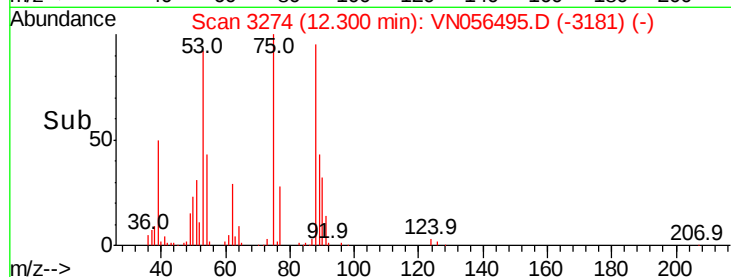
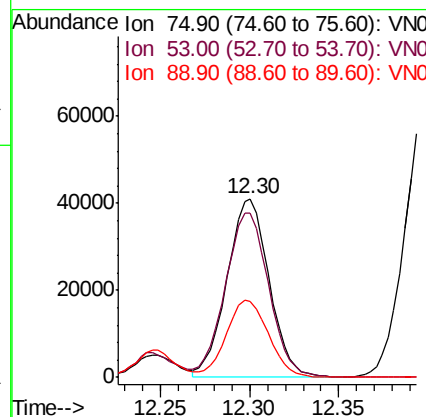
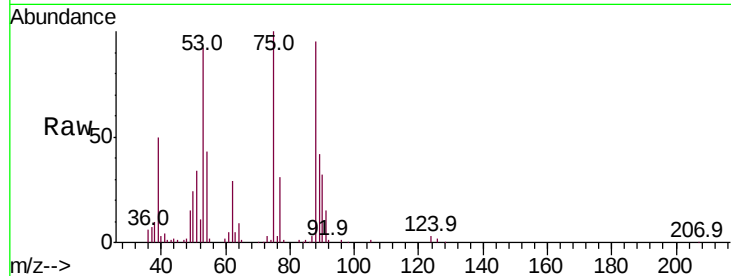
53 95.4 83.9 125.9

89 43.6 35.0 52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.200 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056495.D

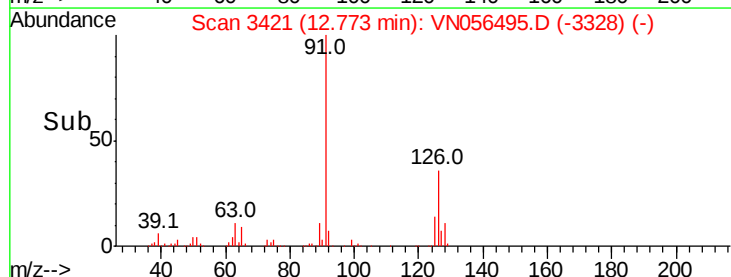
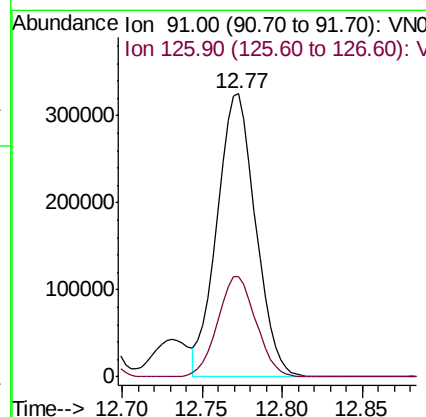
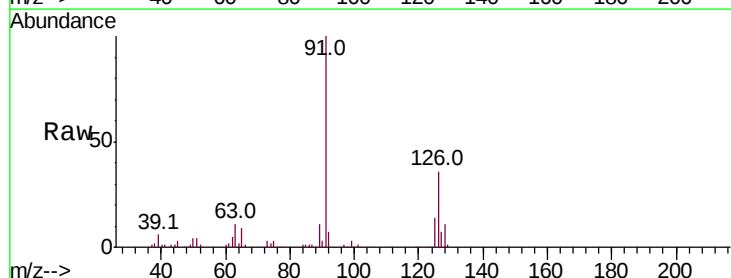
Acq: 26 Jun 2019 10:37

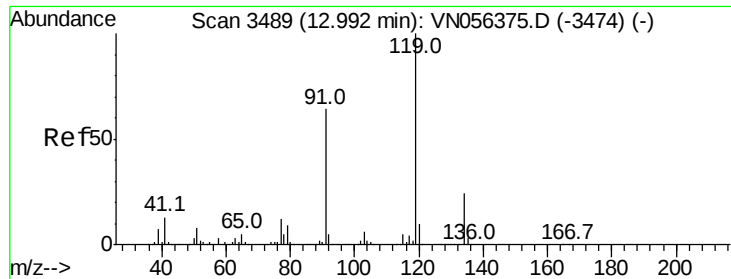
Tgt Ion: 91 Resp: 539529

Ion Ratio Lower Upper

91 100

126 35.1 17.3 52.0





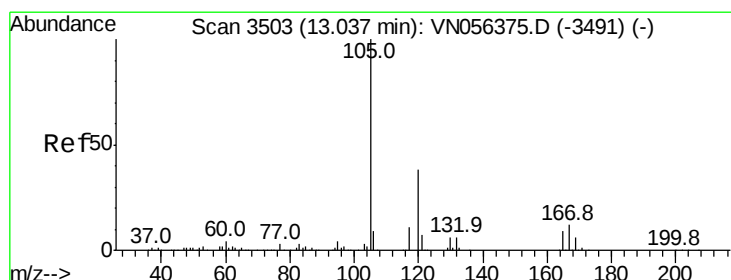
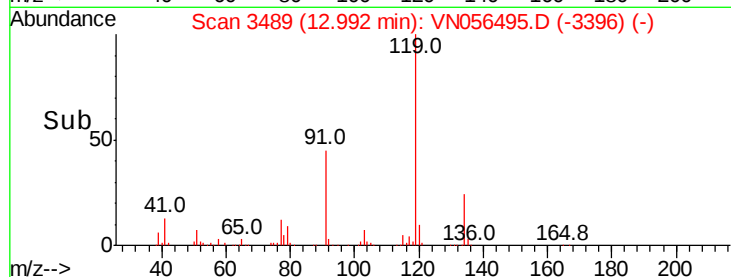
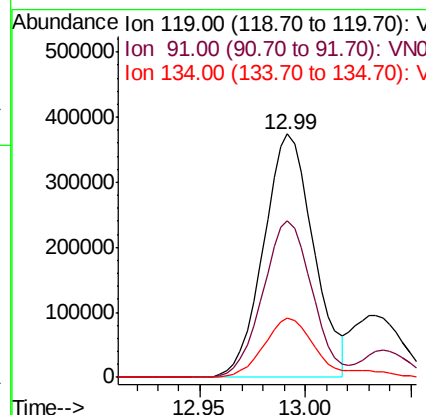
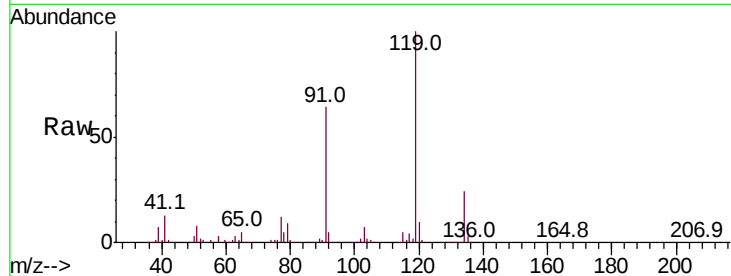
#83
 tert-Butylbenzene
 Concen: 54.629 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.6	94.7
134	26.3	13.2	39.5

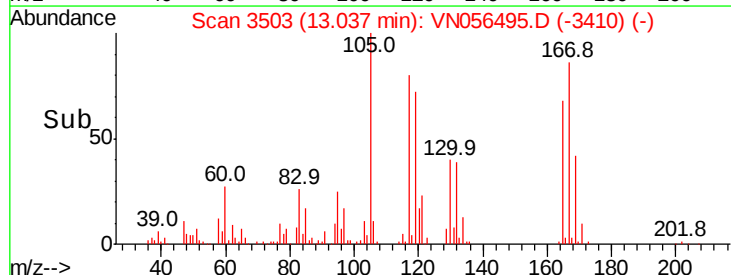
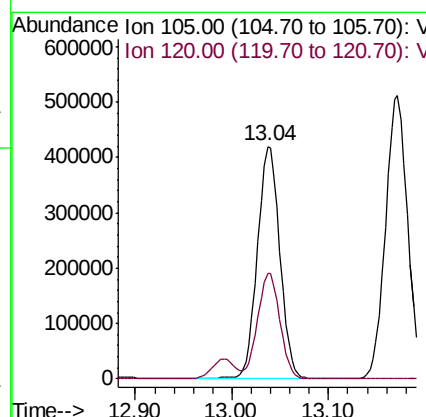
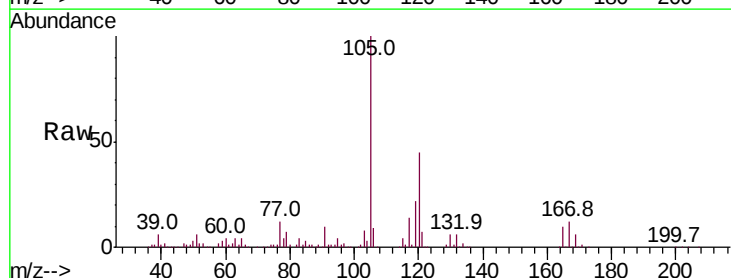
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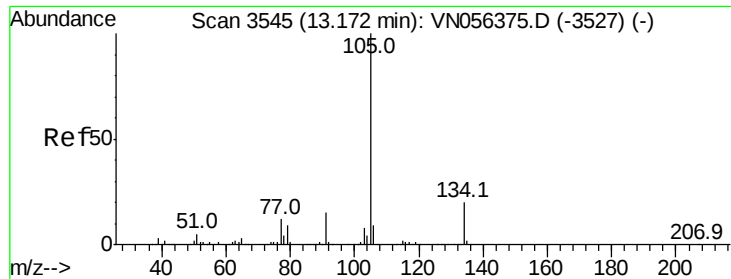
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.691 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 48.539 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 808793

Ion Ratio Lower Upper

105 100

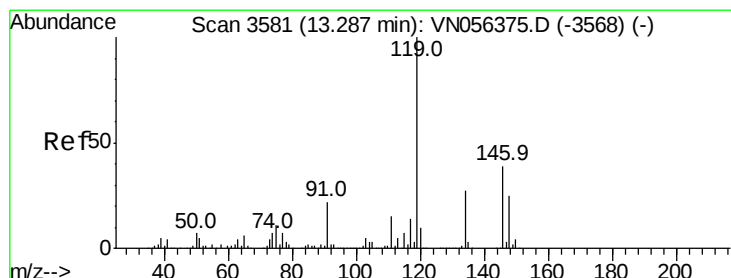
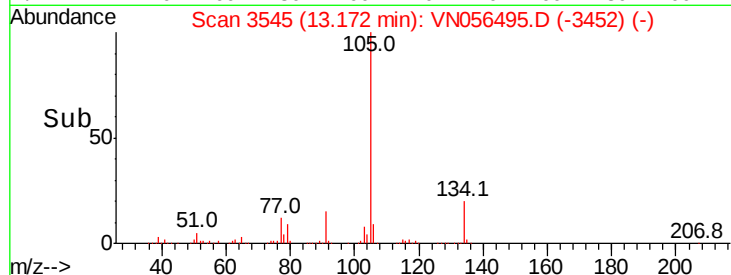
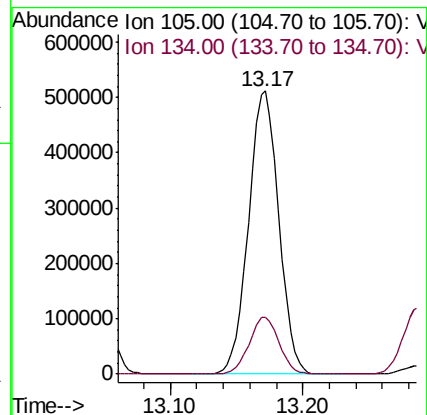
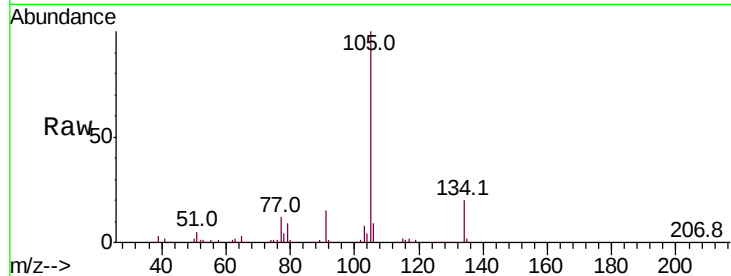
134 19.9 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 49.757 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056495.D

Acq: 26 Jun 2019 10:37

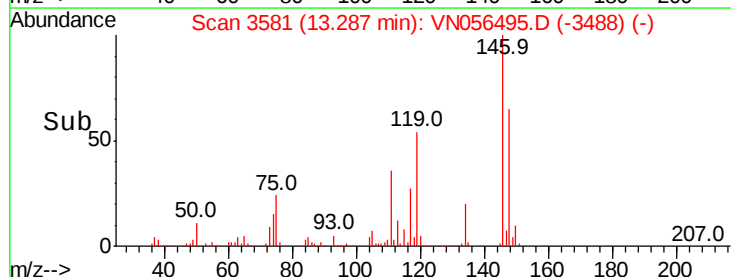
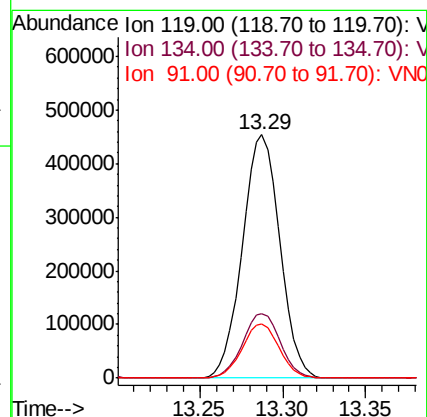
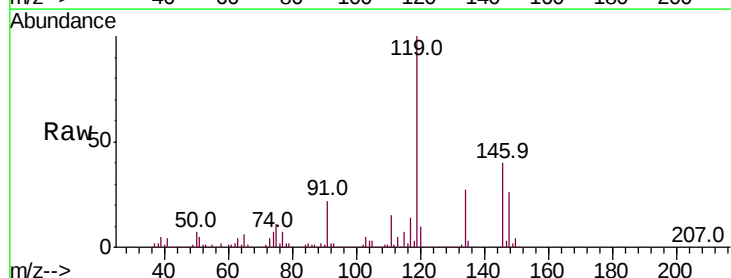
Tgt Ion:119 Resp: 711534

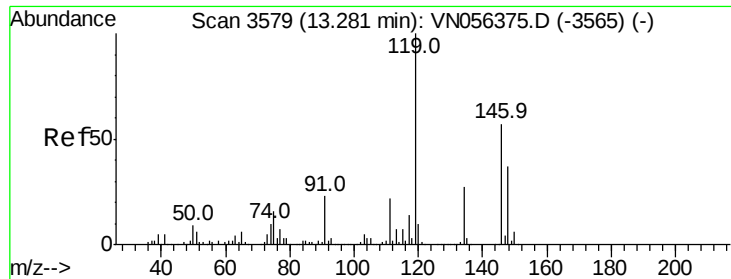
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.2 11.2 33.5





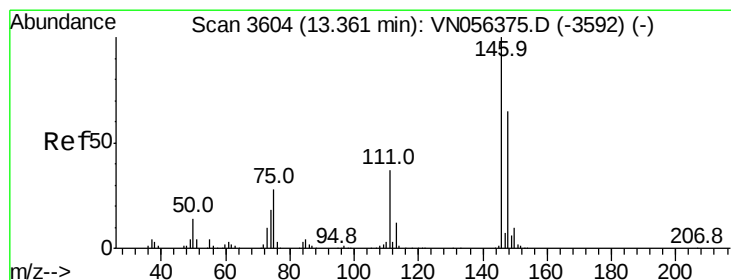
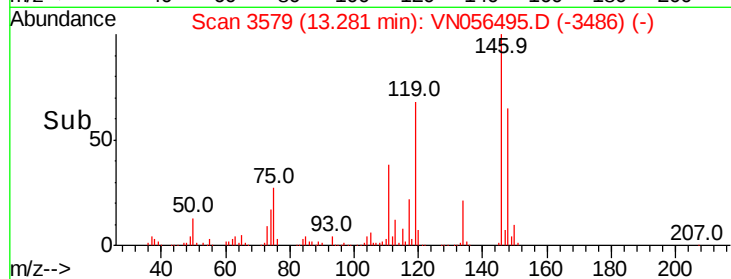
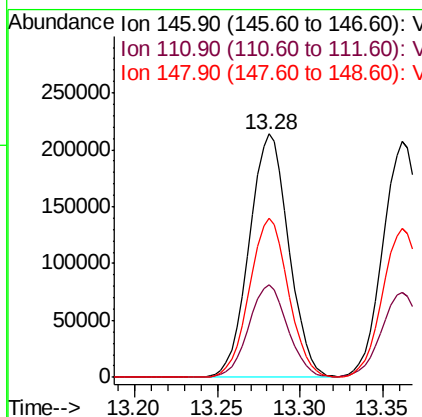
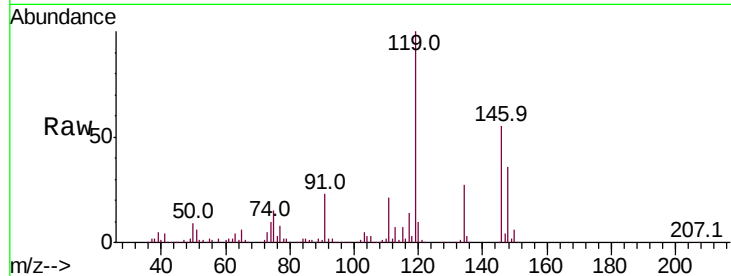
#87
 1,3-Dichlorobenzene
 Concen: 50.645 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	64.7	32.1	96.5

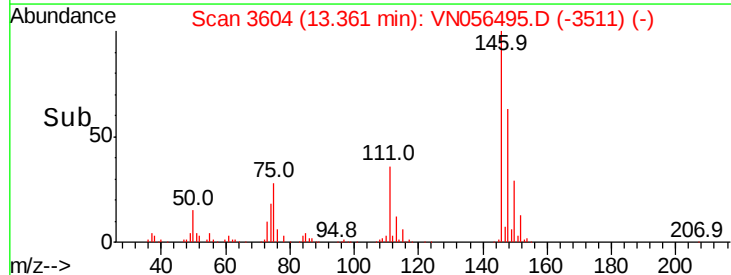
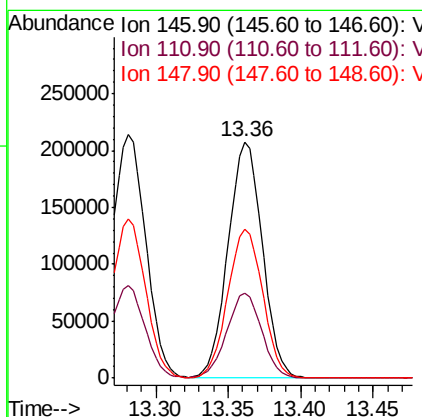
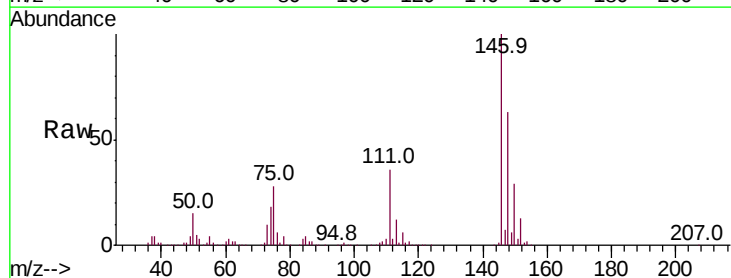
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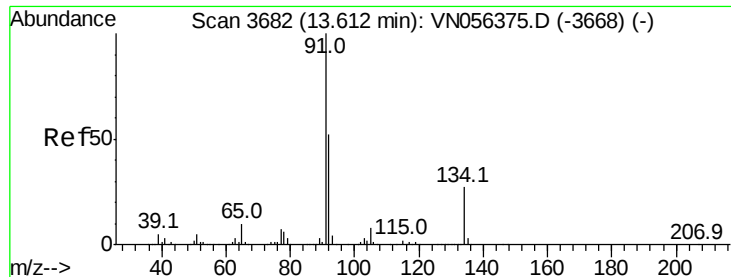
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#88
 1,4-Dichlorobenzene
 Concen: 50.065 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.4	55.4
148	64.4	32.4	97.0





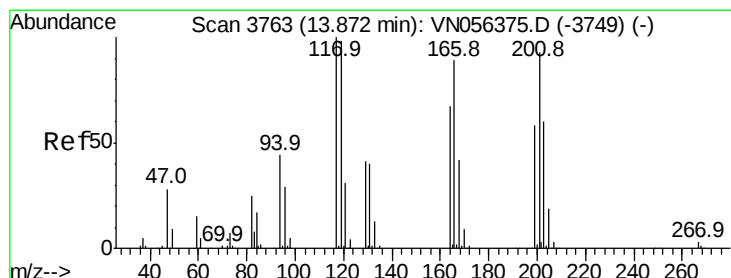
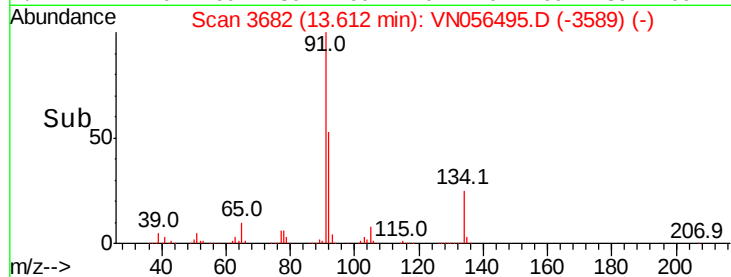
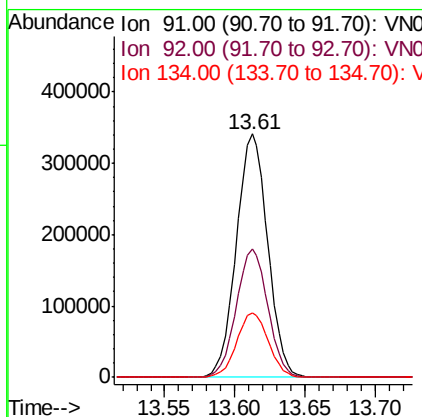
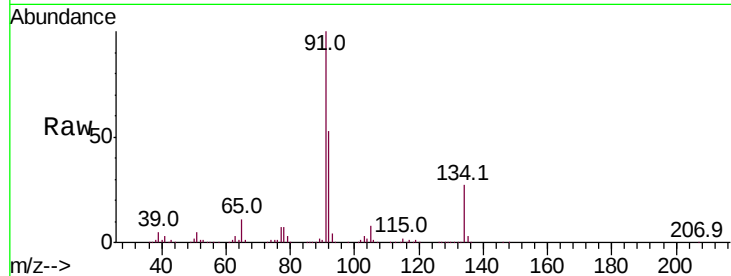
#89
n-Butylbenzene
Concen: 49.178 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	26.7	13.4	40.2

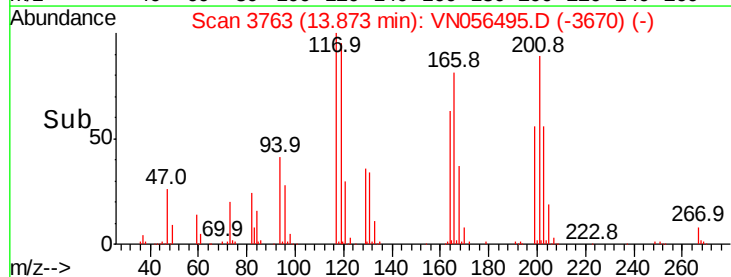
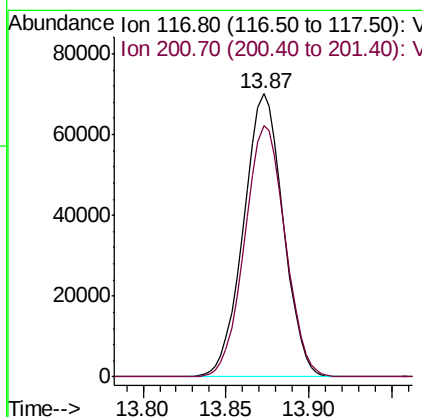
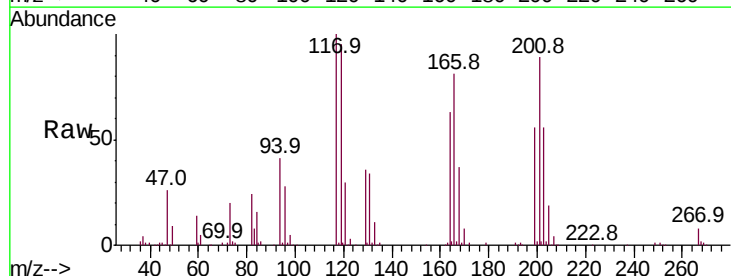
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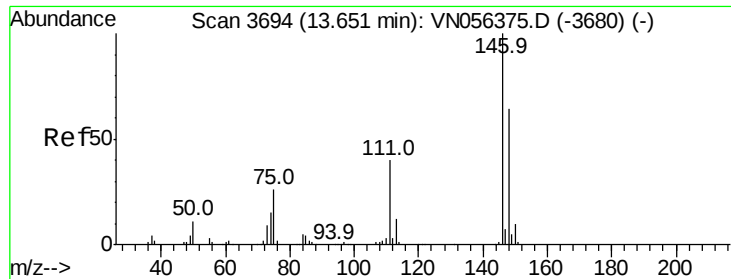
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#90
Hexachloroethane
Concen: 52.210 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	45.9	137.6





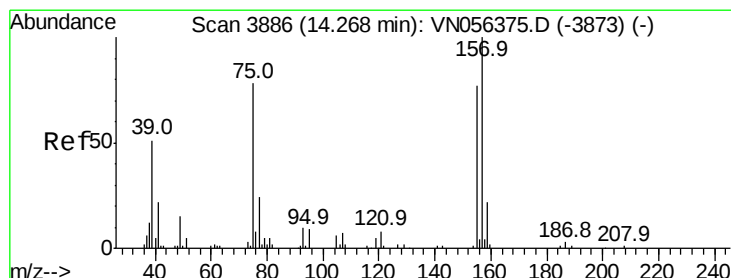
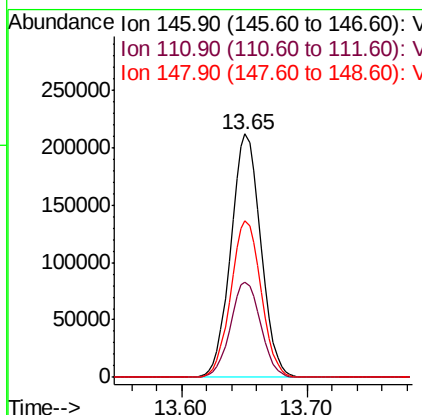
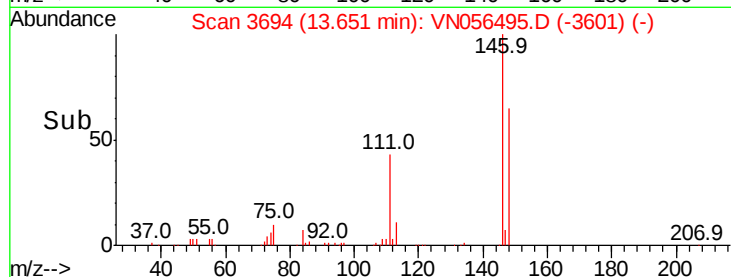
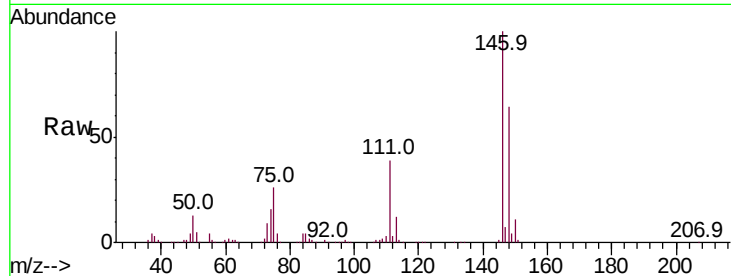
#91
 1,2-Dichlorobenzene
 Concen: 50.422 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.9
148	65.0	32.0	96.0

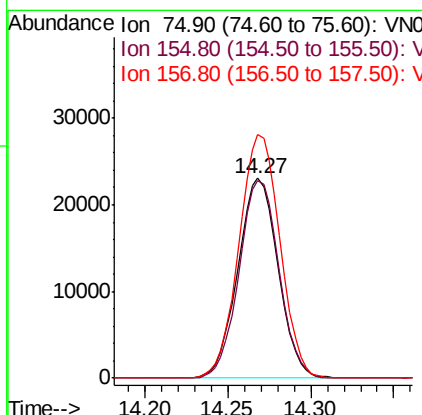
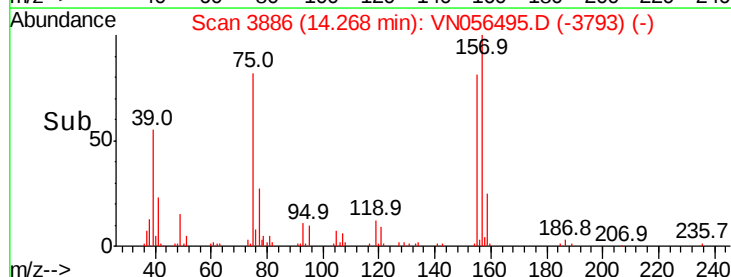
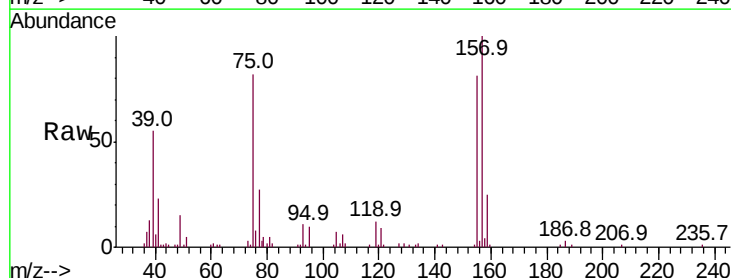
Manual Integrations
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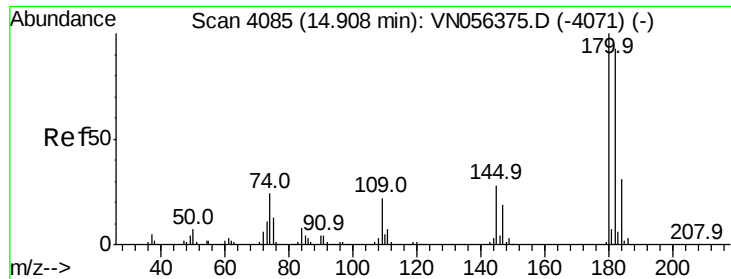
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 6/29/2019 7:22:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.943 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	48.9	146.8
157	123.6	62.9	188.8





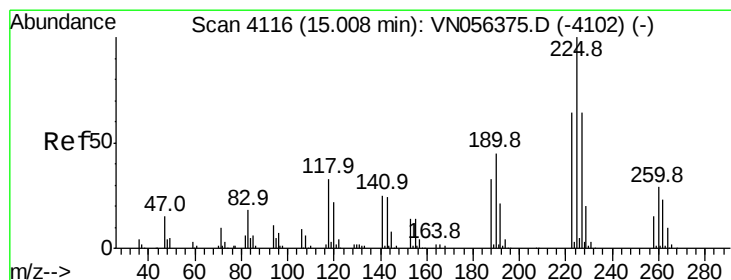
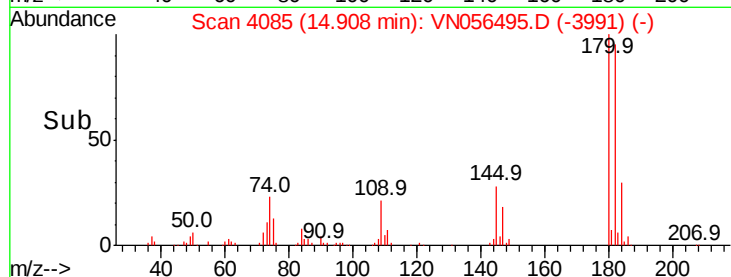
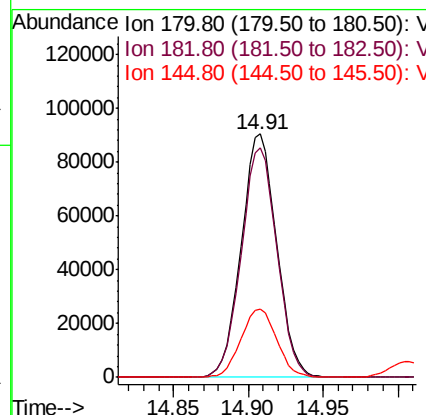
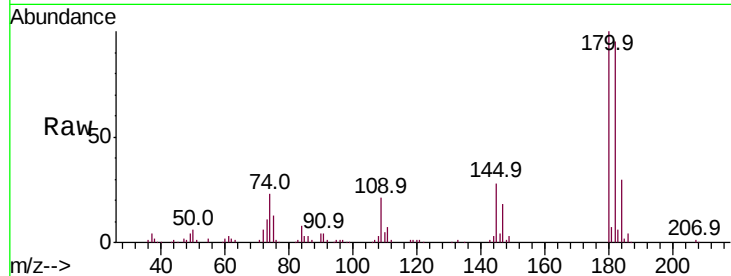
#93
 1,2,4-Trichlorobenzene
 Concen: 42.118 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149039		
182	94.8	46.9	140.6	
145	28.4	14.4	43.0	

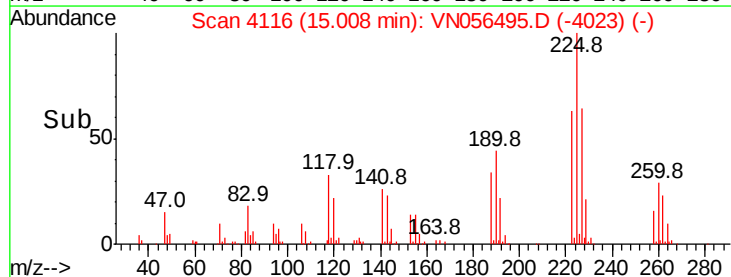
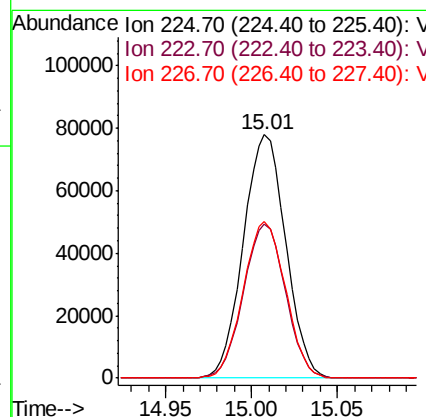
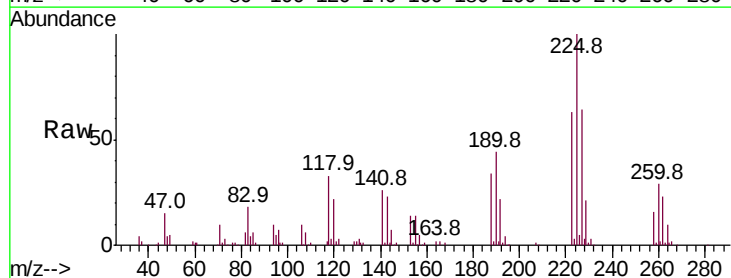
Manual Integrations
 APPROVED

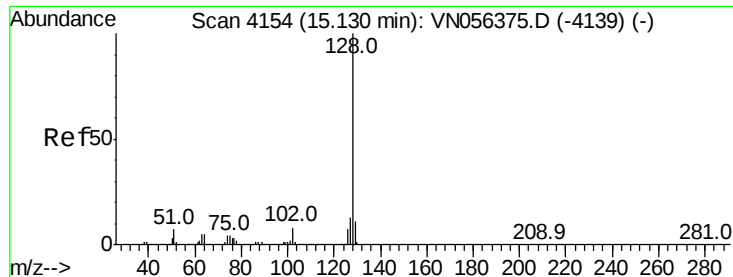
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#94
 Hexachlorobutadiene
 Concen: 56.697 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056495.D
 Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	133132		
223	62.8	31.4	94.3	
227	64.0	32.1	96.3	





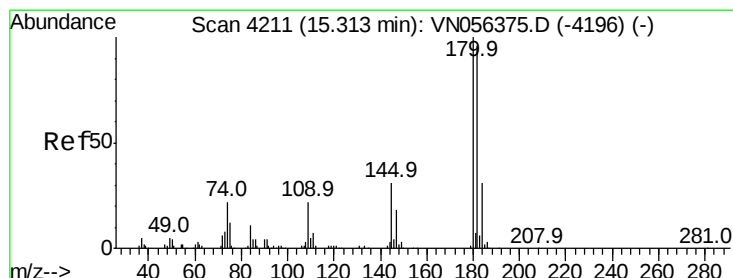
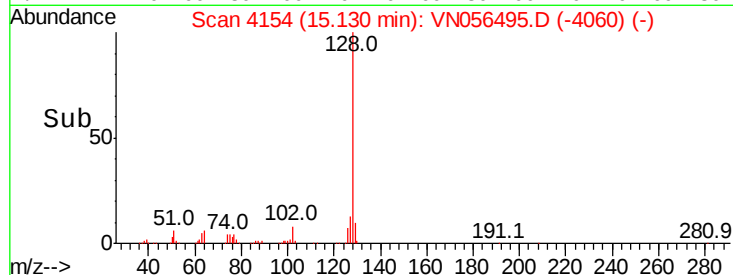
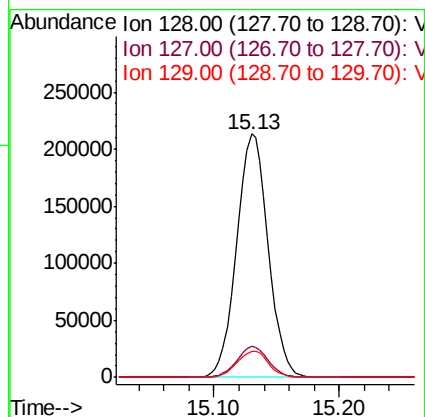
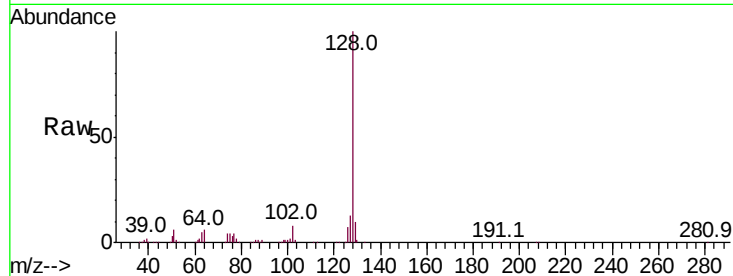
#95
Naphthalene
Concen: 40.307 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 43.621 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056495.D
Acq: 26 Jun 2019 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.3	144.8
145	30.3	15.4	46.1

