

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062619\
 Data File : VN056499.D
 Acq On : 26 Jun 2019 12:27
 Operator : JC/SP
 Sample : VN0626WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/29/2019 7:22:50 AM

Quant Time: Jun 27 07:58:05 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	7.67	168	342990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	531490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	458065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	165447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	194106	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
35) Dibromofluoromethane	7.59	113	167322	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.09	98	619898	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.40	95	198341	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	53478	18.414	ug/l	99
3) Chloromethane	2.06	50	70834	17.912	ug/l	99
4) Vinyl Chloride	2.18	62	71371	18.686	ug/l	100
5) Bromomethane	2.53	94	46325m	20.689	ug/l	
6) Chloroethane	2.69	64	42370	19.156	ug/l	97
7) Trichlorofluoromethane	3.00	101	96940	19.621	ug/l	99
8) Diethyl Ether	3.41	74	40886	19.554	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	60514	19.206	ug/l	98
10) Methyl Iodide	3.95	142	78376	18.405	ug/l	99
11) Tert butyl alcohol	4.80	59	73279	114.453	ug/l	100
12) 1,1-Dichloroethene	3.73	96	57752	19.061	ug/l	99
13) Acrolein	3.61	56	32110	59.505	ug/l	99
14) Allyl chloride	4.32	41	99508	19.729	ug/l	99
15) Acrylonitrile	4.99	53	181882	102.685	ug/l	100
16) Acetone	3.82	43	168897	88.681	ug/l	99
17) Carbon Disulfide	4.05	76	109825	15.936	ug/l	99
18) Methyl Acetate	4.33	43	82258	21.558	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	203867	20.334	ug/l	98
20) Methylene Chloride	4.55	84	72567	19.672	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	62242	19.054	ug/l	98
22) Diisopropyl ether	5.95	45	216201	20.411	ug/l	98
23) Vinyl Acetate	5.90	43	879989	105.330	ug/l	99
24) 1,1-Dichloroethane	5.85	63	121796	20.031	ug/l	98
25) 2-Butanone	6.84	43	249928	99.151	ug/l	97
26) 2,2-Dichloropropane	6.82	77	83388	19.718	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	76799	20.095	ug/l	99
28) Bromochloromethane	7.20	49	56952	18.936	ug/l	98
29) Tetrahydrofuran	7.21	42	160485	104.184	ug/l	100
30) Chloroform	7.37	83	122731	20.456	ug/l	99
31) Cyclohexane	7.65	56	107041	18.235	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	95556	20.092	ug/l	98
36) 1,1-Dichloropropene	7.79	75	84798	18.127	ug/l	98
37) Ethyl Acetate	6.93	43	94922	20.647	ug/l	99
38) Carbon Tetrachloride	7.77	117	79197	19.359	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	104028	18.022	ug/l	99
40) Benzene	8.04	78	279130	19.398	ug/l	99
41) Methacrylonitrile	7.18	41	41775	20.578	ug/l	90
42) 1,2-Dichloroethane	8.12	62	92793	19.540	ug/l	100
43) Isopropyl Acetate	8.17	43	145702	20.553	ug/l #	90
44) Trichloroethene	8.83	130	73421	18.941	ug/l	97
45) 1,2-Dichloropropane	9.12	63	77621	20.170	ug/l	99
46) Dibromomethane	9.21	93	48588	20.181	ug/l	98
47) Bromodichloromethane	9.40	83	87313	20.447	ug/l	98
48) Methyl methacrylate	9.20	41	70584	19.869	ug/l	98
49) 1,4-Dioxane	9.20	88	30160	409.113	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	463236	101.243	ug/l	100
52) Toluene	10.16	92	171628	19.509	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	87580	19.482	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	103844	20.194	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	73177	20.693	ug/l	98
56) Ethyl methacrylate	10.43	69	101273	19.596	ug/l	99
57) 1,3-Dichloropropane	10.71	76	119605	20.133	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	141171	76.037	ug/l	99
59) 2-Hexanone	10.75	43	330185	98.187	ug/l	99
60) Dibromochloromethane	10.90	129	66748	19.871	ug/l	99
61) 1,2-Dibromoethane	11.00	107	73601	20.378	ug/l	99
64) Tetrachloroethene	10.63	164	71277	19.649	ug/l	98
65) Chlorobenzene	11.43	112	182295	19.806	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	66501	21.378	ug/l	99
67) Ethyl Benzene	11.51	91	313902	19.423	ug/l	100
68) m/p-Xylenes	11.62	106	230368	38.896	ug/l	98
69) o-Xylene	11.95	106	114702	19.575	ug/l	98
70) Styrene	11.96	104	184583	19.708	ug/l	99
71) Bromoform	12.12	173	44158	19.633	ug/l #	98
73) Isopropylbenzene	12.25	105	309681	23.496	ug/l	100
74) N-amyl acetate	12.07	43	111954	21.262	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	100968	24.689	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	85581m	24.947	ug/l	
77) Bromobenzene	12.53	156	77999	21.084	ug/l	98
78) n-propylbenzene	12.59	91	308670	20.373	ug/l	100
79) 2-Chlorotoluene	12.67	91	199949	22.685	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	246253	22.403	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21933	22.723	ug/l	98
82) 4-Chlorotoluene	12.77	91	176910	19.776	ug/l	100
83) tert-Butylbenzene	12.99	119	223287	23.127	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	223830	20.096	ug/l	99
85) sec-Butylbenzene	13.17	105	278221	20.892	ug/l	100
86) p-Isopropyltoluene	13.29	119	226689	19.835	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	110139	19.646	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	105290	19.392	ug/l	99
89) n-Butylbenzene	13.61	91	151895	17.557	ug/l	100
90) Hexachloroethane	13.87	117	38777	21.763	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	115107	20.694	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12801	20.911	ug/l	98

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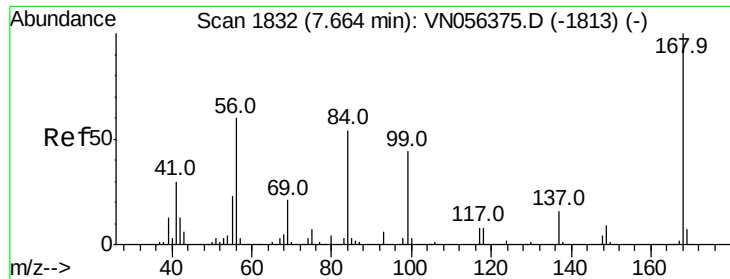
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33252	15.805	ug/l	97
94) Hexachlorobutadiene	15.01	225	42812	21.647	ug/l	99
95) Naphthalene	15.13	128	94137	16.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	40283	16.700	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBS01

Tot Ion:168 Resp: 342990

Ion Ratio Lower Upper

168 100

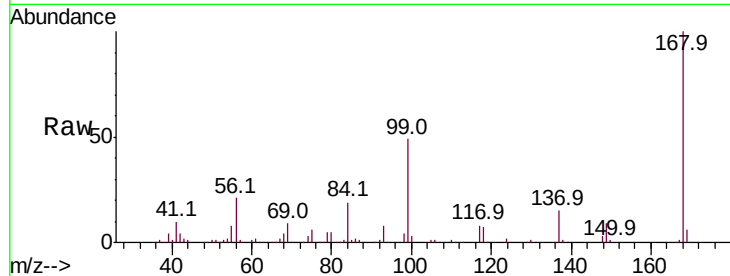
99 48.2 40.6 61.0

Manual Integrations

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6/29/2019 7:22:50 AM



Abundance Ion 167.90 (167.60 to 168.60): VN056499.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056499.D (-1739) (-)

7.67

150000

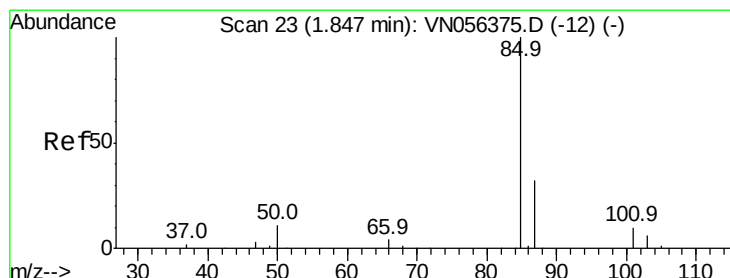
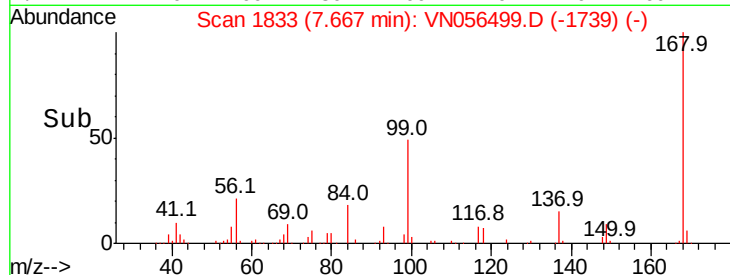
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.414 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056499.D

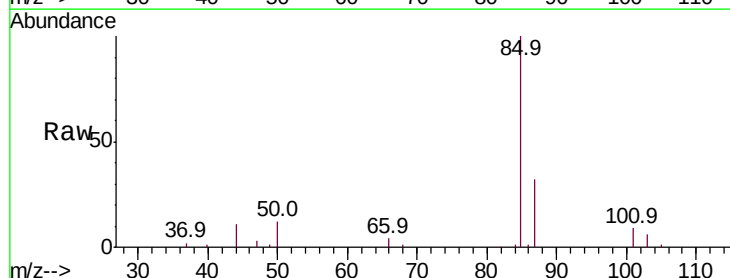
Acq: 26 Jun 2019 12:27

Tgt Ion: 85 Resp: 53478

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056499.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN056499.D (-1) (-)

1.85

30000

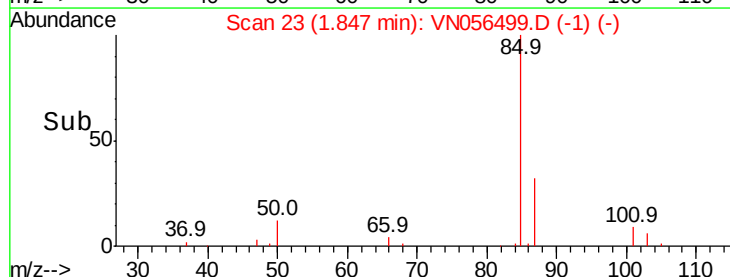
20000

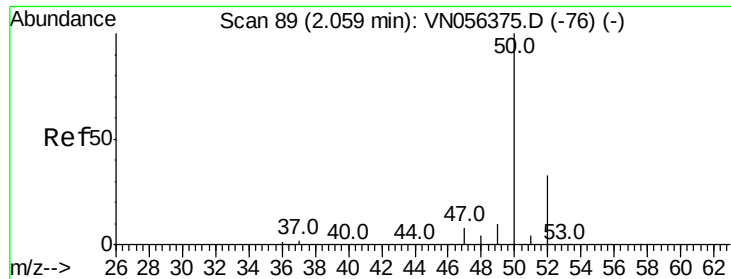
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.912 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBS01

Tot Ion: 50 Resp: 70834

Ion Ratio Lower Upper

50 100

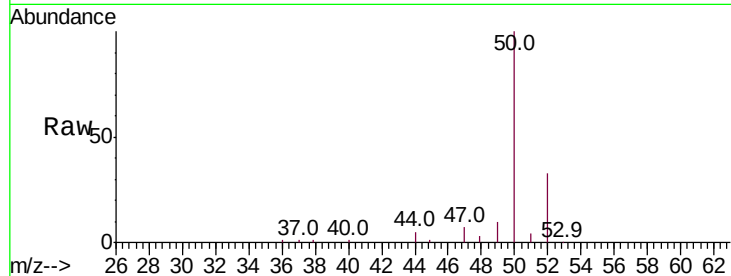
52 32.5 26.5 39.7

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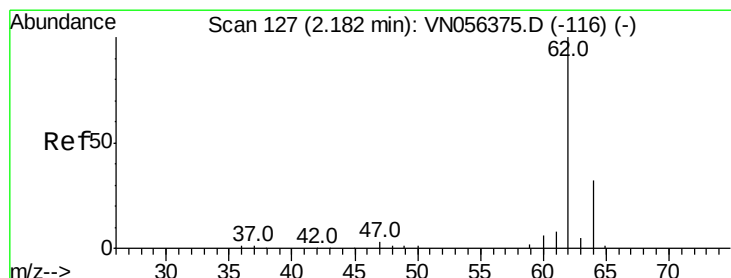
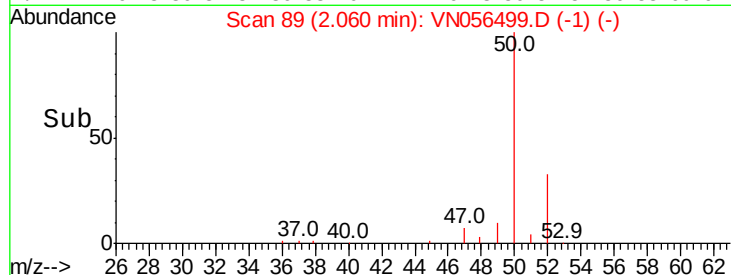
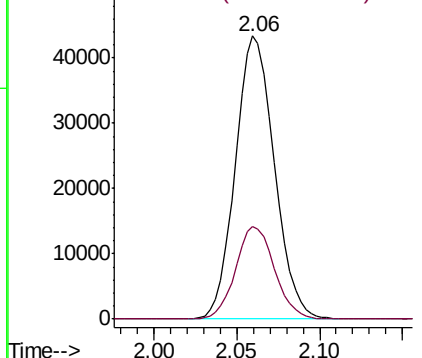
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.686 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056499.D

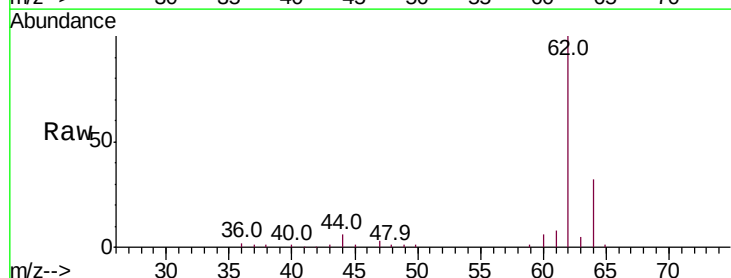
Acq: 26 Jun 2019 12:27

Tgt Ion: 62 Resp: 71371

Ion Ratio Lower Upper

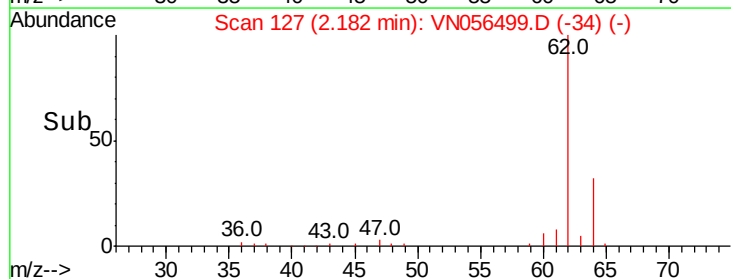
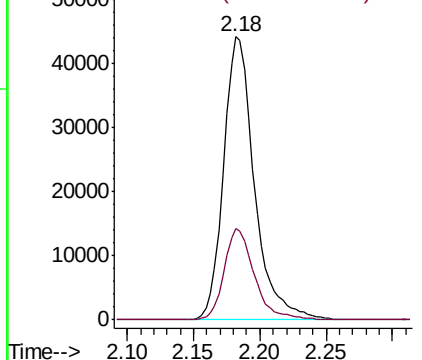
62 100

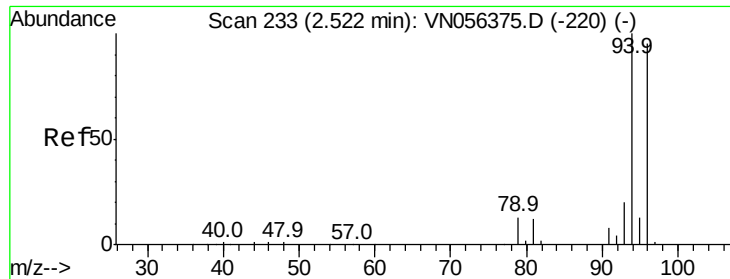
64 32.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.689 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBS01

Tot Ion: 94 Resp: 46325

Ion Ratio Lower Upper

94 100

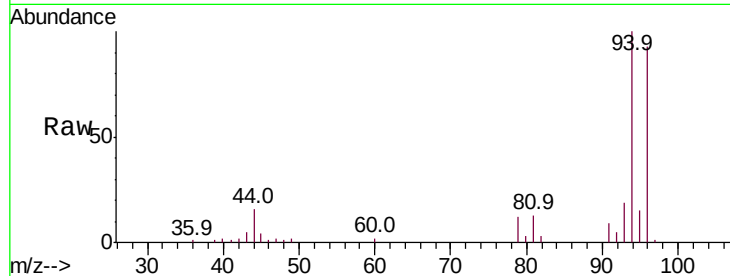
96 93.1 76.0 114.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

5000

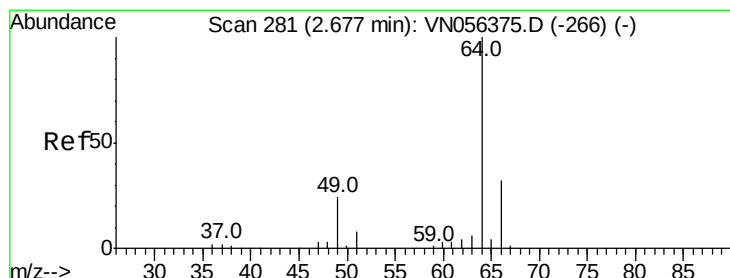
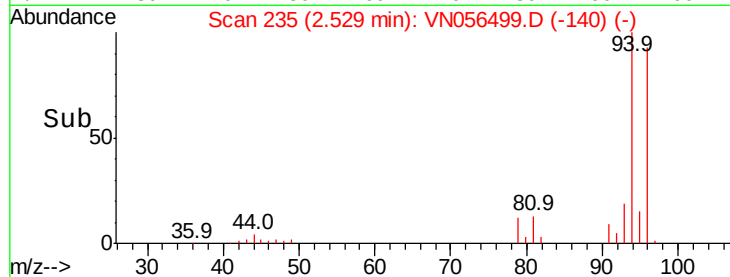
0

2.50

2.53

2.60

Time-->



#6

Chloroethane

Concen: 19.156 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN056499.D

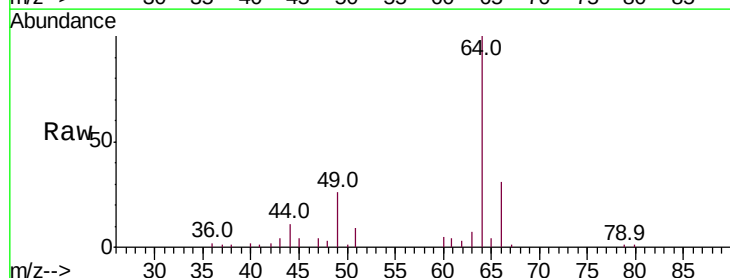
Acq: 26 Jun 2019 12:27

Tgt Ion: 64 Resp: 42370

Ion Ratio Lower Upper

64 100

66 30.8 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

5000

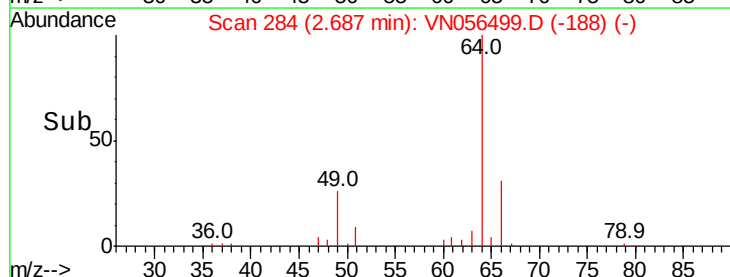
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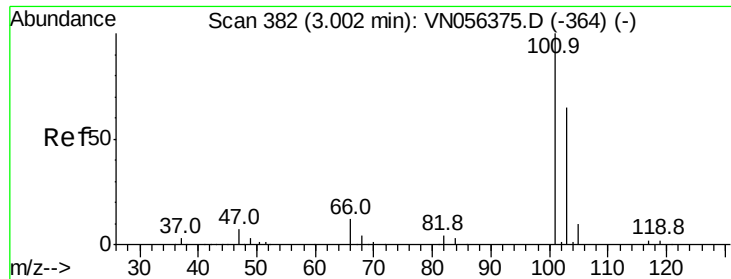
2.60

2.69

2.80

Time-->





#7

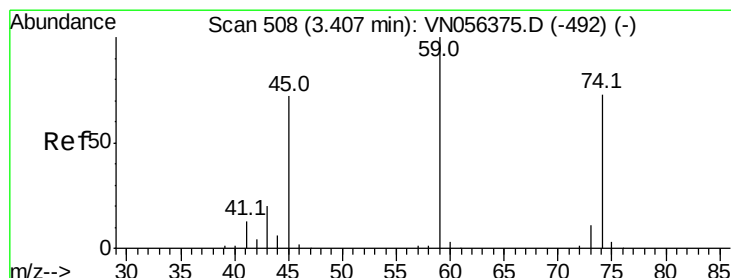
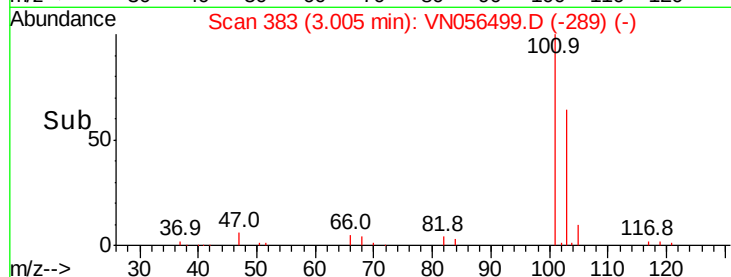
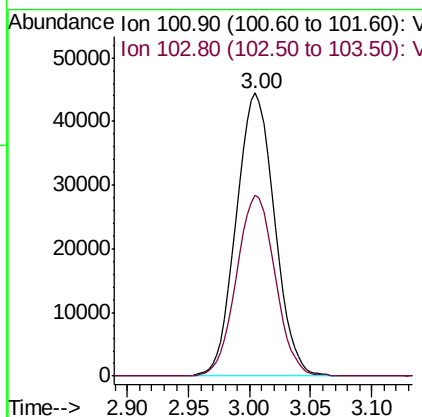
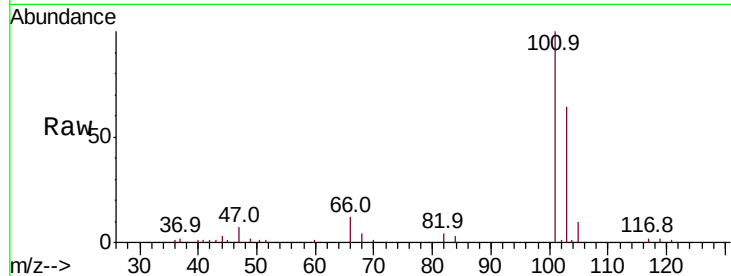
Trichlorofluoromethane
Concen: 19.621 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion:101 Resp: 96940
Ion Ratio Lower Upper
101 100
103 63.8 51.7 77.5

Manual Integrations
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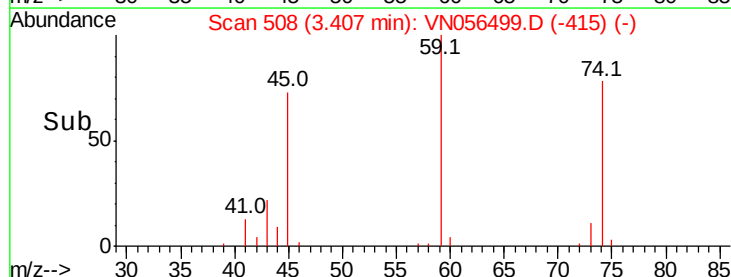
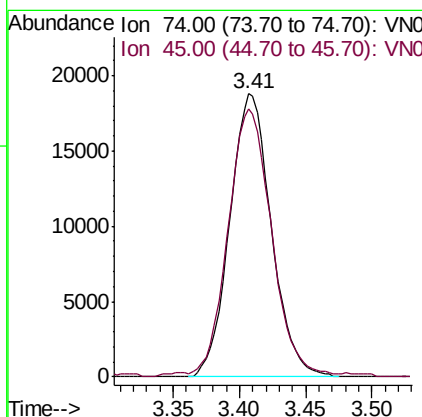
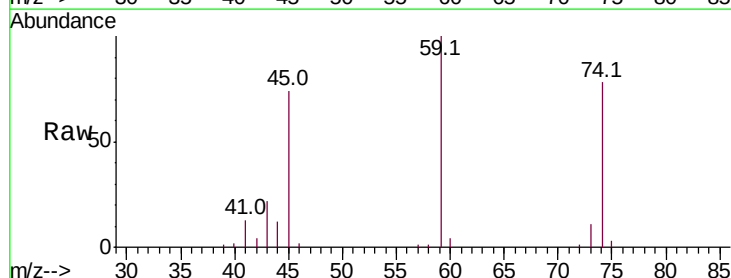
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6/29/2019 7:22:50 AM

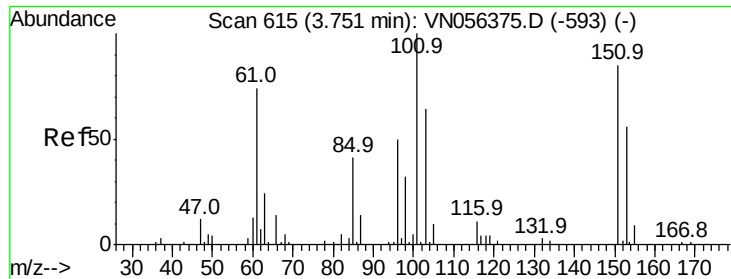


#8

Diethyl Ether
Concen: 19.554 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion: 74 Resp: 40886
Ion Ratio Lower Upper
74 100
45 100.0 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.206 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

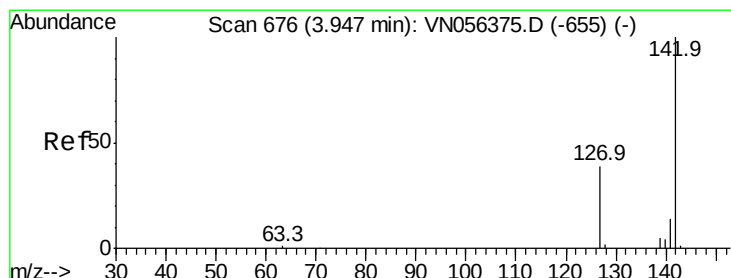
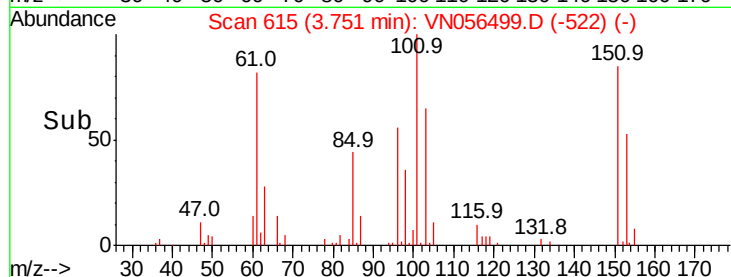
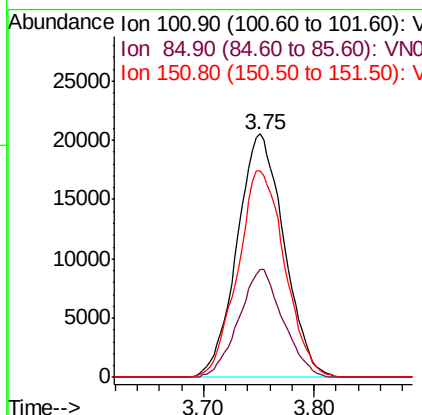
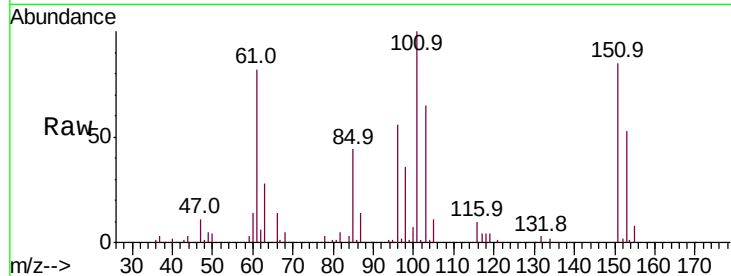
ClientSampleId :

VN0626WBS01

Tot Ion:	101	Resp:	60514
Ion Ratio	Lower	Upper	
101	100		
85	41.9	32.7	49.1
151	85.0	66.8	100.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.405 ug/l

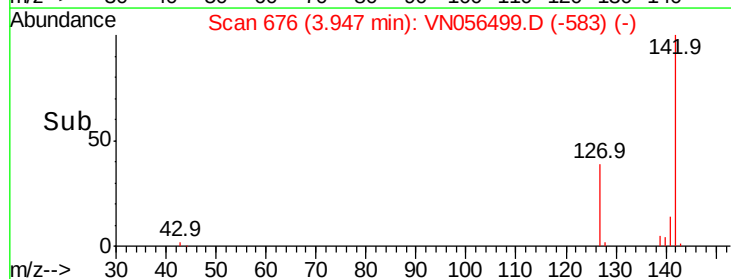
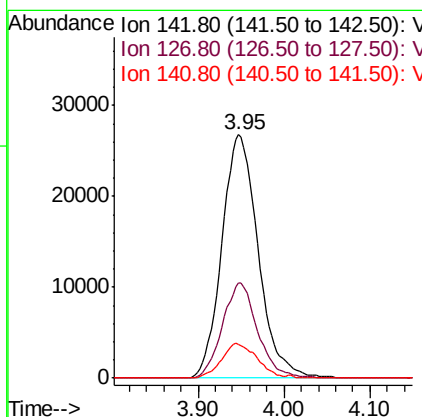
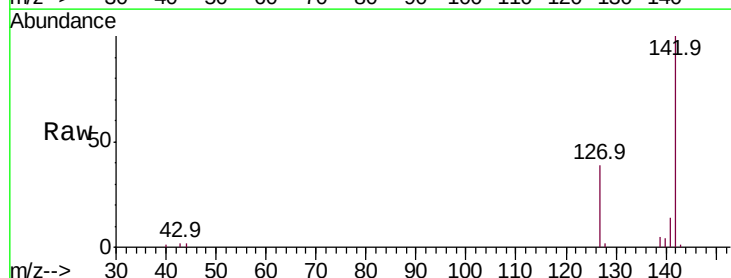
RT: 3.95 min Scan# 676

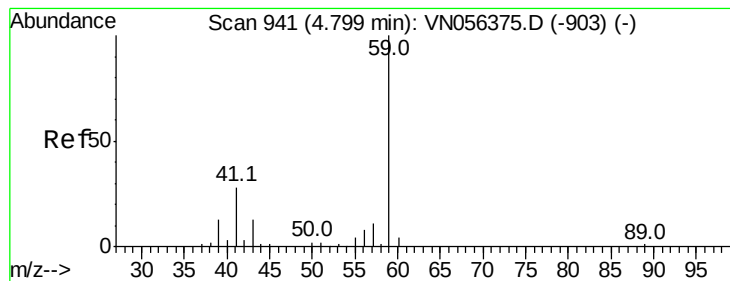
Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Tgt Ion:	142	Resp:	78376
Ion Ratio	Lower	Upper	
142	100		
127	37.8	30.6	46.0
141	13.9	11.4	17.2





#11

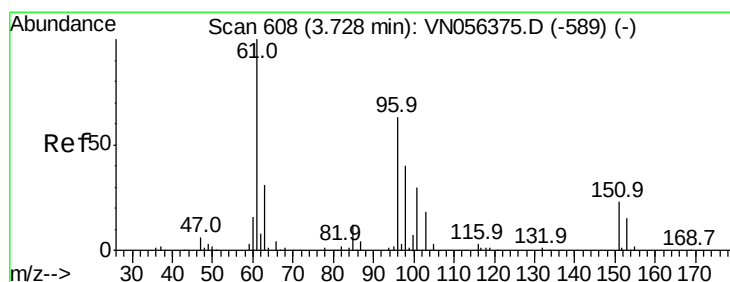
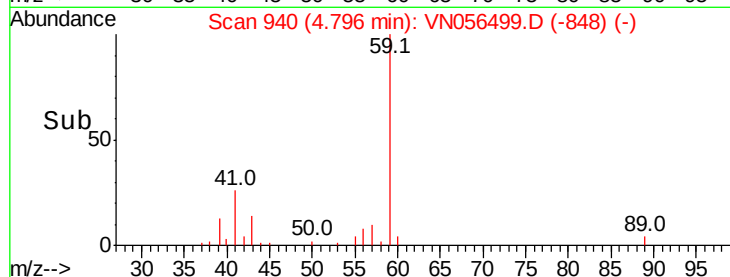
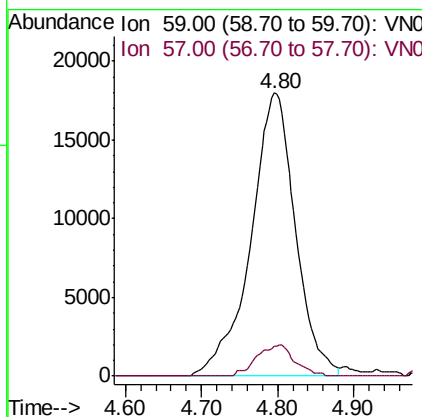
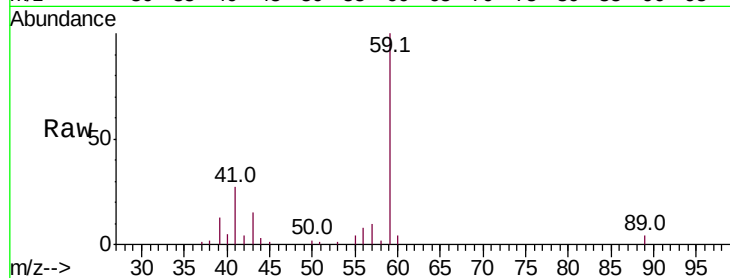
Tert butyl alcohol
Concen: 114.453 ug/l
RT: 4.80 min Scan# 940
Delta R.T. -0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.6	11.4

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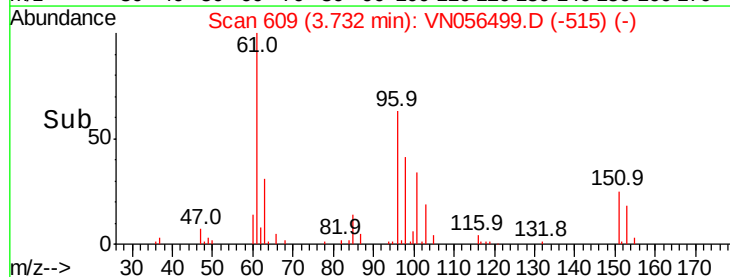
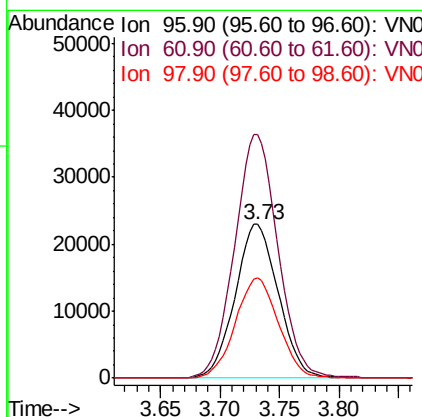
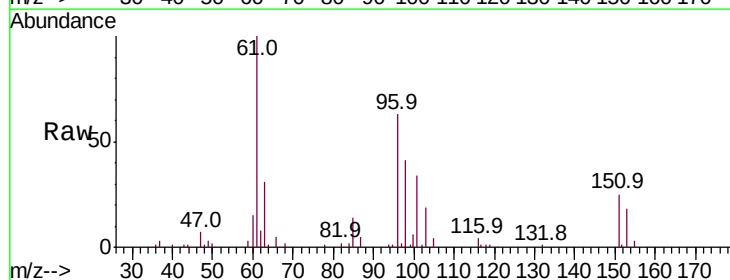
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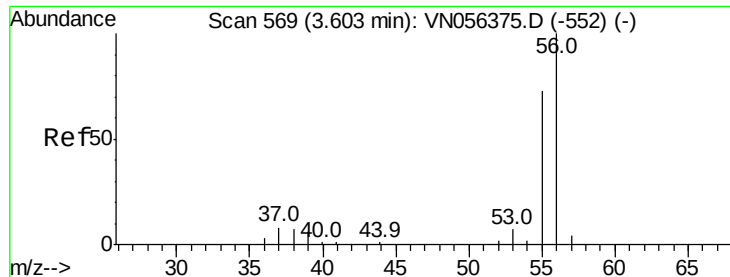


#12

1,1-Dichloroethene
Concen: 19.061 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	126.6	190.0
98	65.4	51.1	76.7





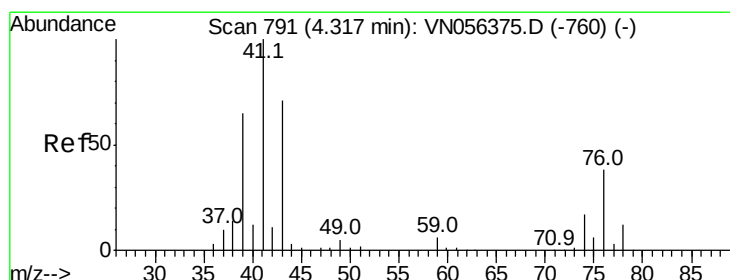
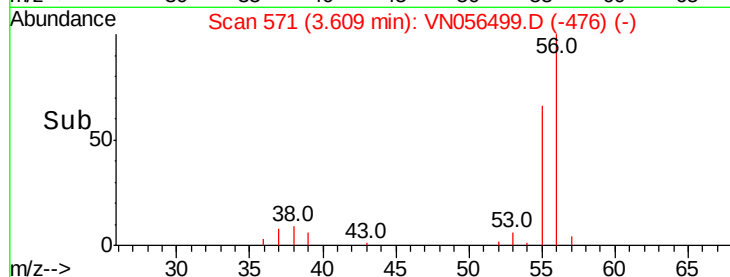
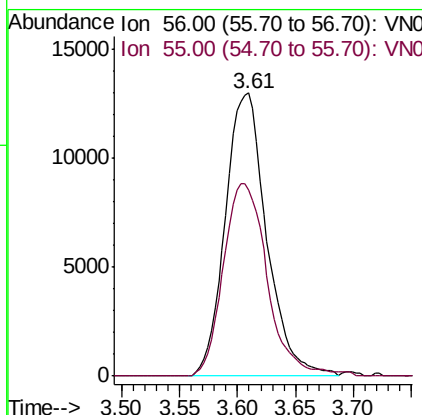
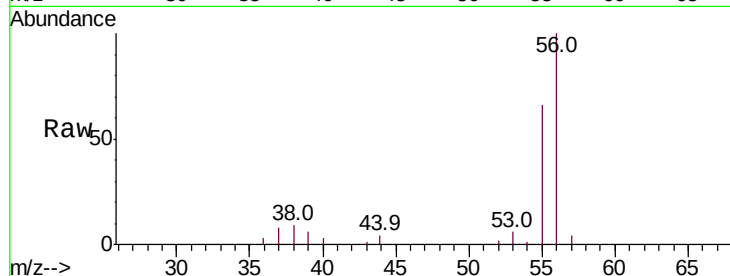
#13
Acrolein
Concen: 59.505 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.01 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion: 56 Resp: 32110
Ion Ratio Lower Upper
56 100
55 72.0 57.1 85.7

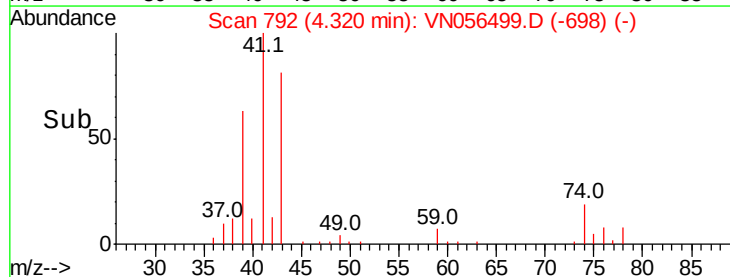
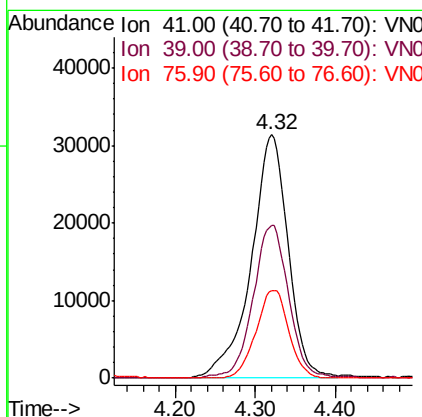
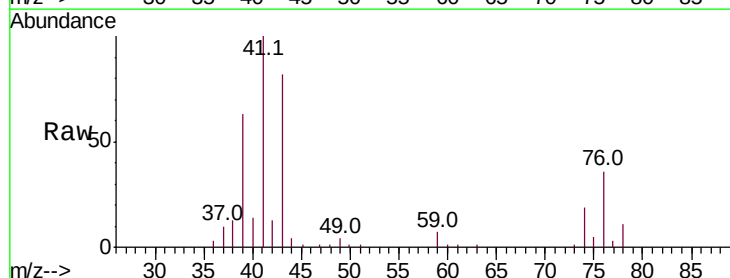
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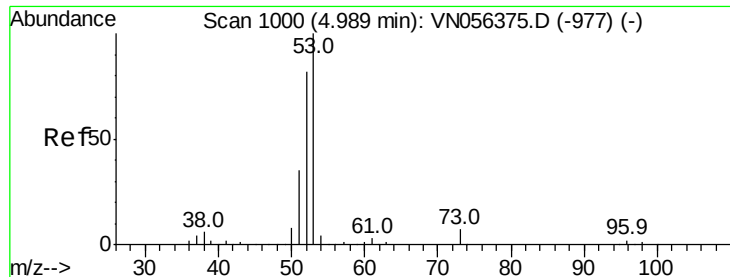
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#14
Allyl chloride
Concen: 19.729 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion: 41 Resp: 99508
Ion Ratio Lower Upper
41 100
39 60.1 48.6 73.0
76 32.0 26.6 40.0





#15

Acrylonitrile

Concen: 102.685 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

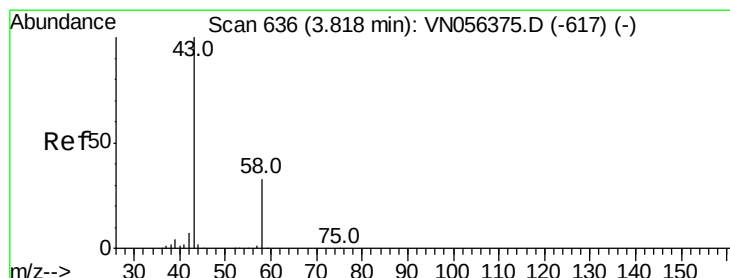
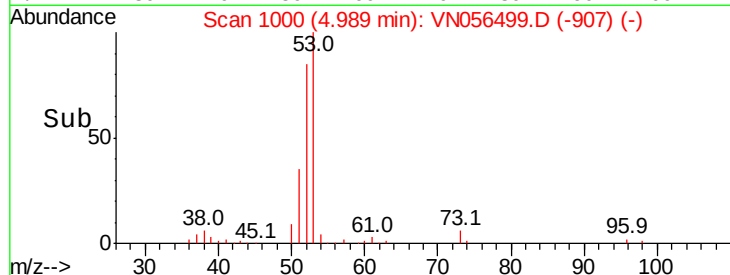
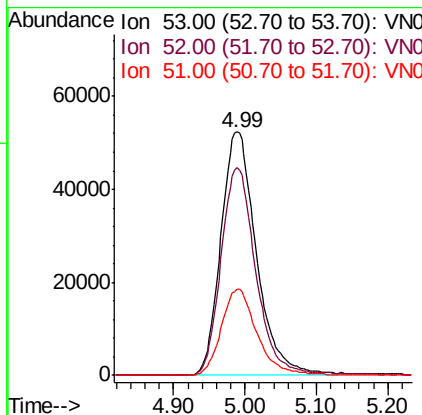
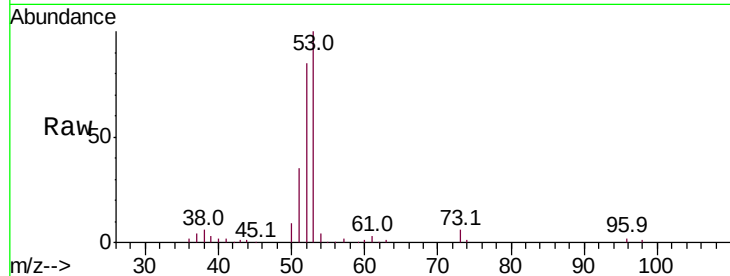
ClientSampleId :

VN0626WBS01

Tot Ion:	53	Resp:	181882
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.9	98.9
51	35.5	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 88.681 ug/l

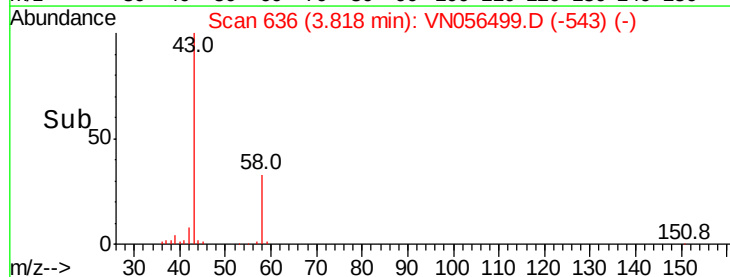
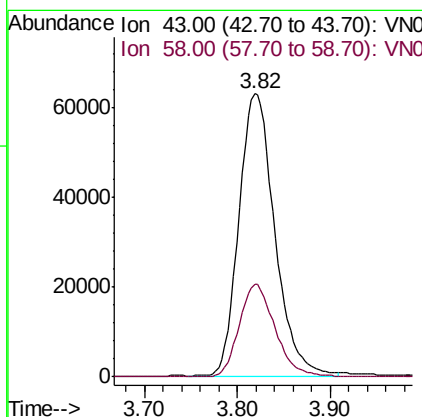
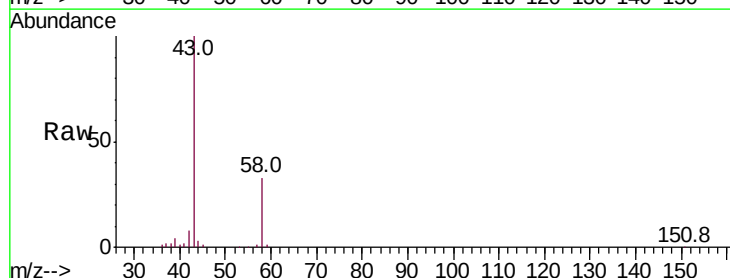
RT: 3.82 min Scan# 636

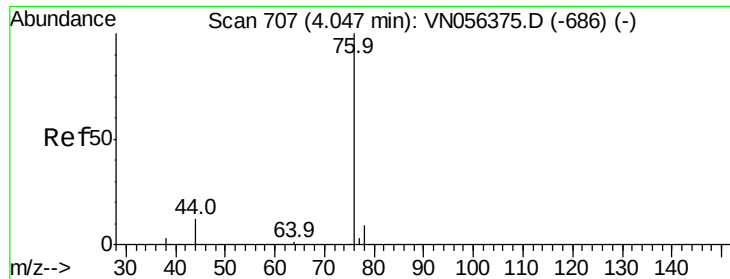
Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Tgt Ion:	43	Resp:	168897
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.4	39.6





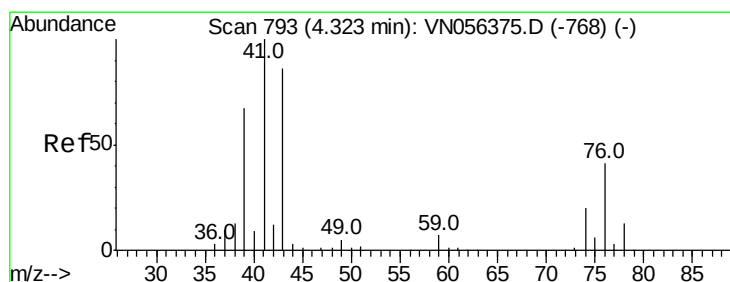
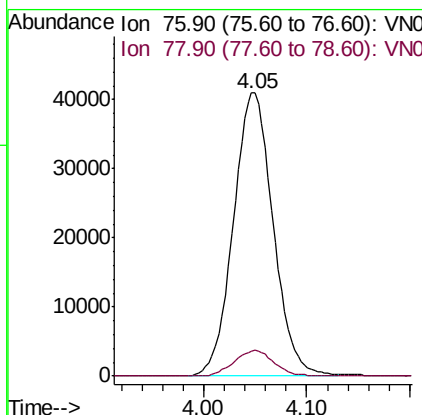
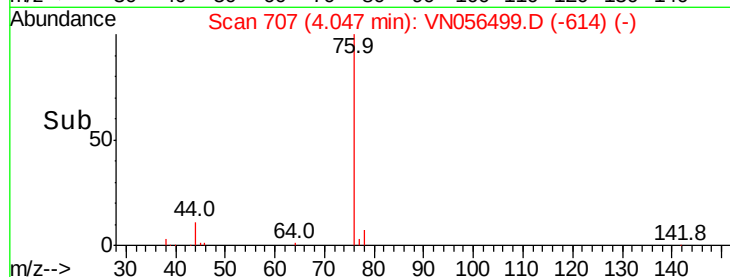
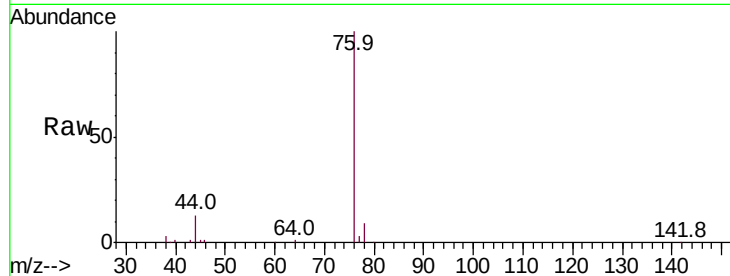
#17
Carbon Disulfide
Concen: 15.936 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.1	10.7

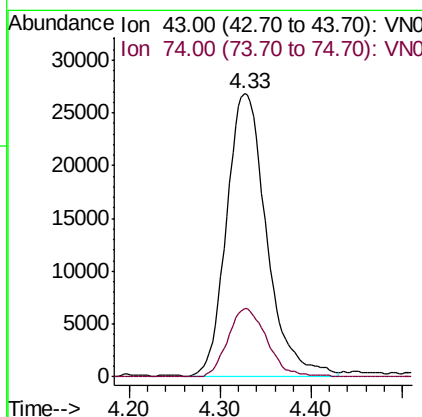
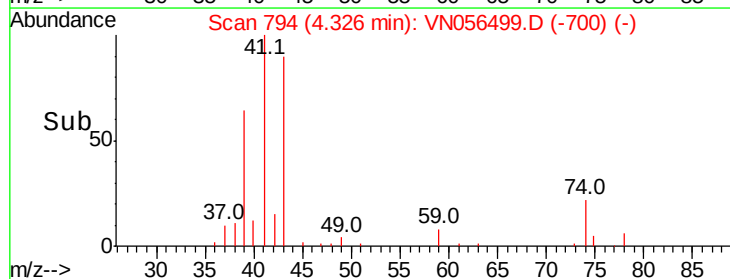
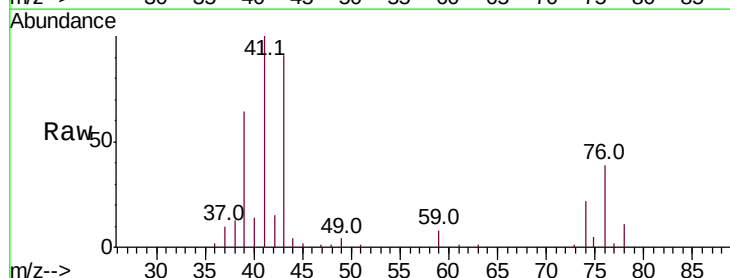
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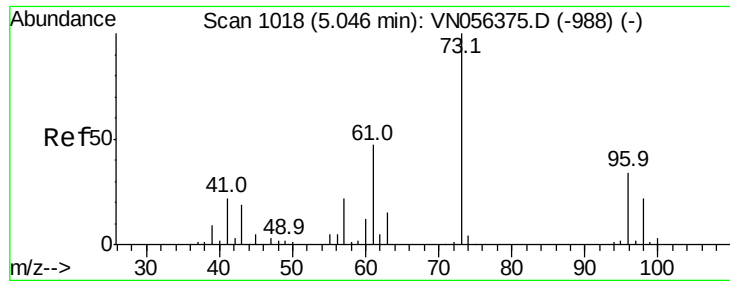
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#18
Methyl Acetate
Concen: 21.558 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.2	28.8





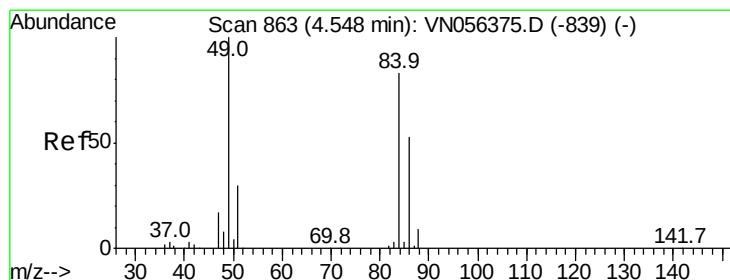
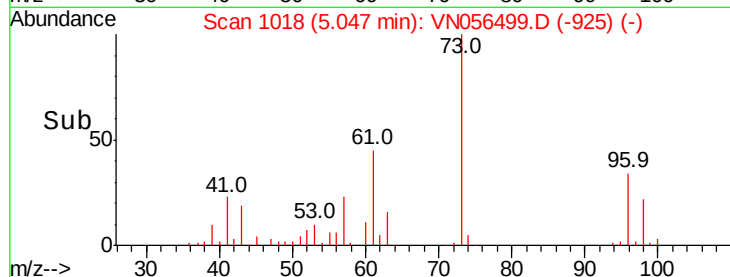
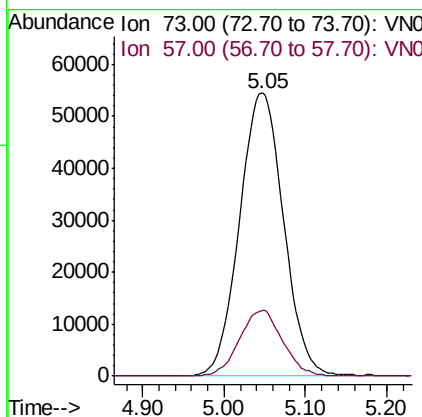
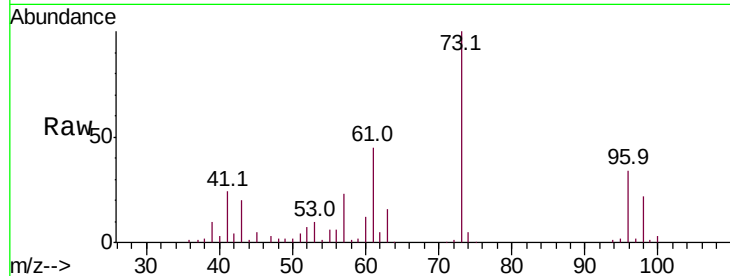
#19
Methyl tert-butyl Ether
Concen: 20.334 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion: 73 Resp: 203867
Ion Ratio Lower Upper
73 100
57 23.3 17.9 26.9

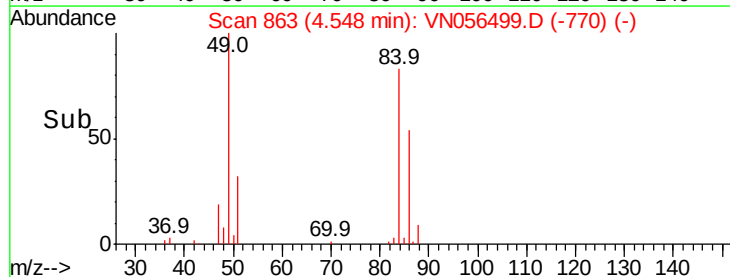
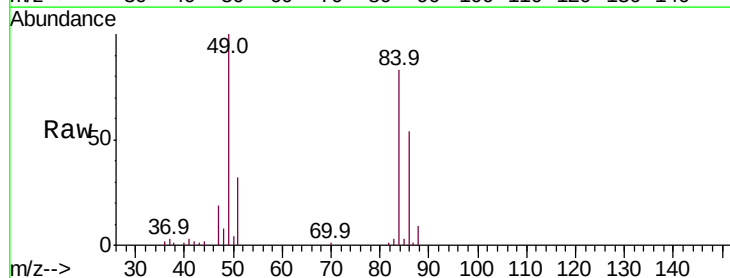
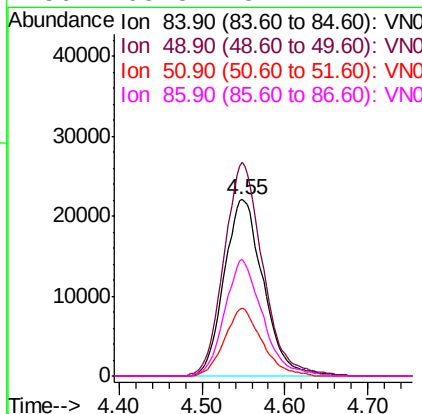
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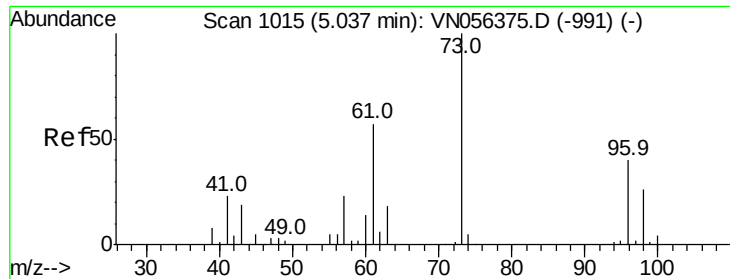
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#20
Methylene Chloride
Concen: 19.672 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion: 84 Resp: 72567
Ion Ratio Lower Upper
84 100
49 120.3 96.4 144.6
51 38.6 28.6 43.0
86 65.8 51.4 77.2





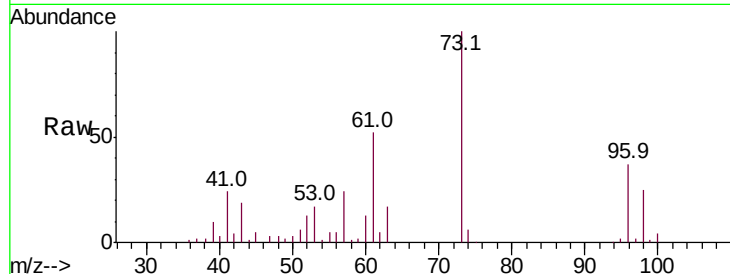
#21
trans-1,2-Dichloroethene
Concen: 19.054 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	113.0	169.6
98	67.3	52.2	78.2

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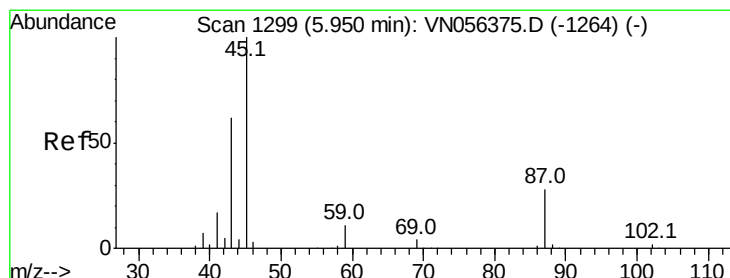
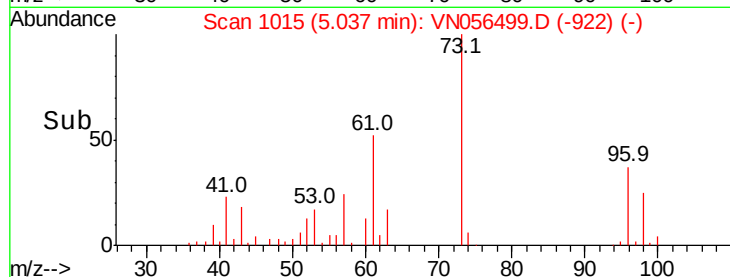
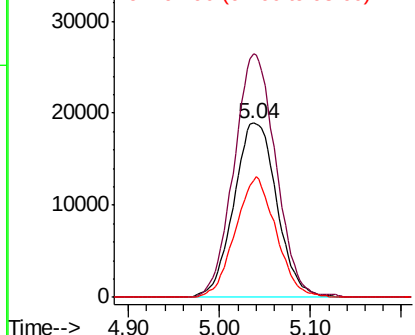


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 20.411 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.9	50.4	75.6
87	27.7	23.0	34.4
59	11.6	9.1	13.7

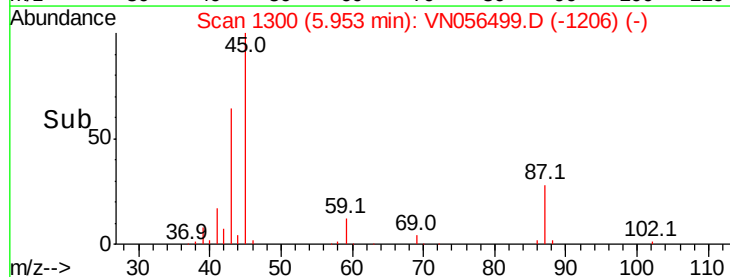
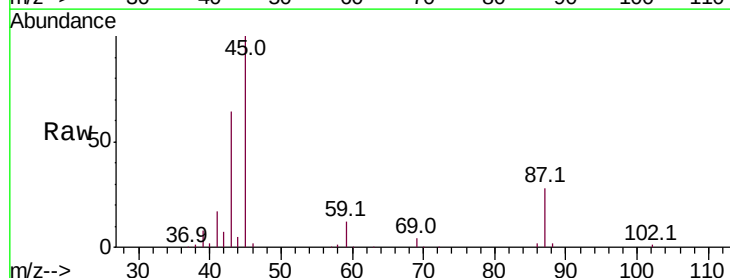
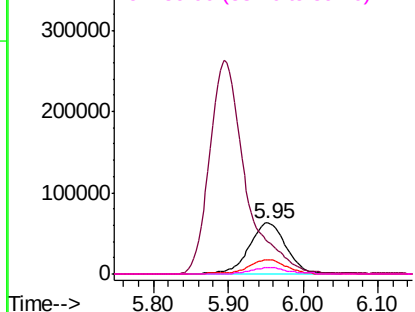
Abundance

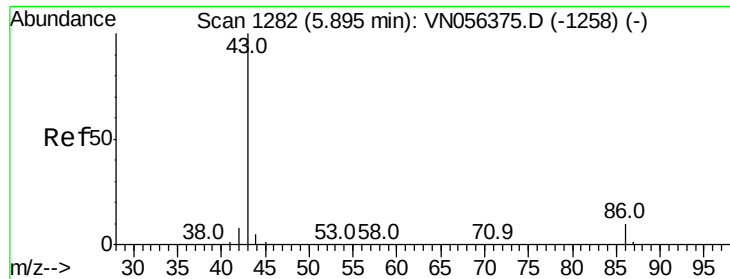
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 105.330 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBS01

Tot Ion: 43 Resp: 879989

Ion Ratio Lower Upper

43 100

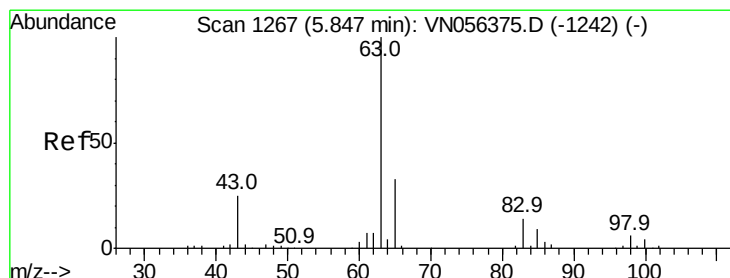
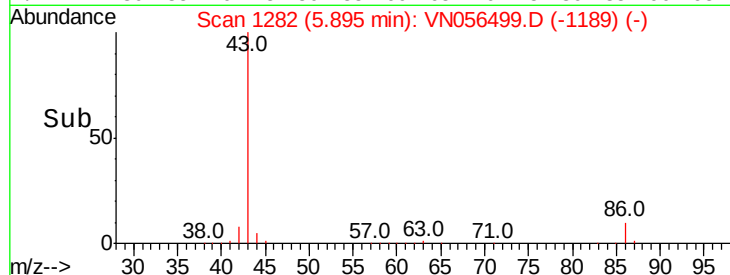
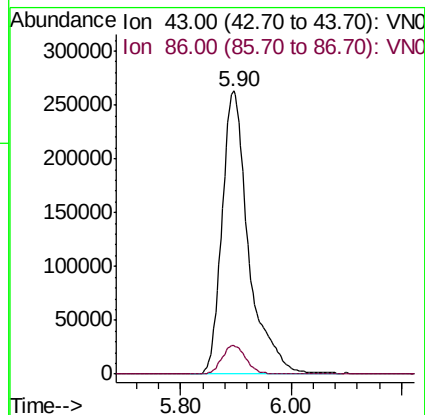
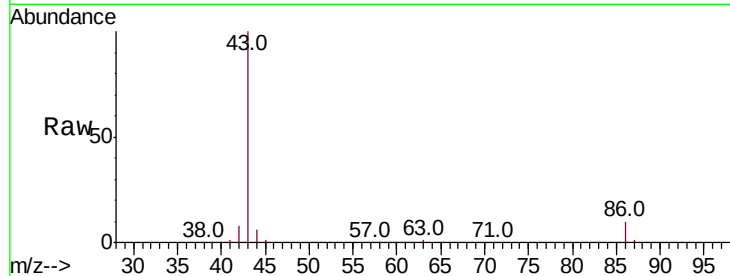
86 10.0 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 20.031 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

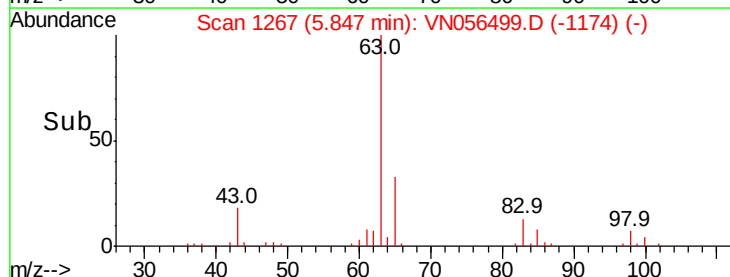
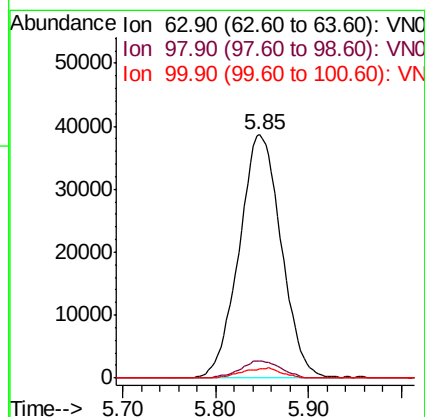
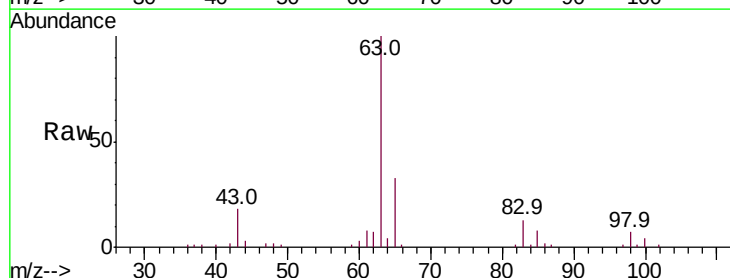
Tgt Ion: 63 Resp: 121796

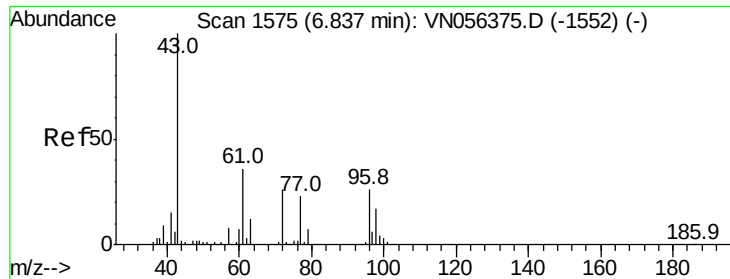
Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

100 3.6 2.1 6.5





#25

2-Butanone

Concen: 99.151 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0626WBS01

Tot Ion: 43 Resp: 249928

Ion Ratio Lower Upper

43 100

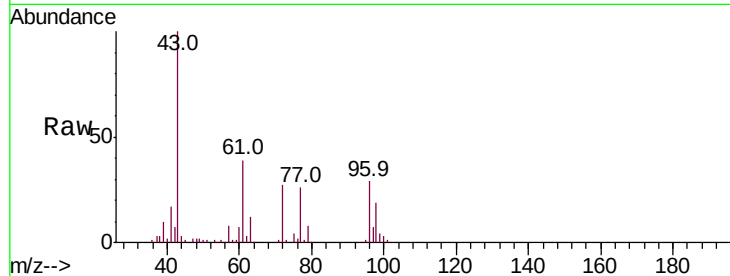
72 27.3 20.6 31.0

Manual Integrations

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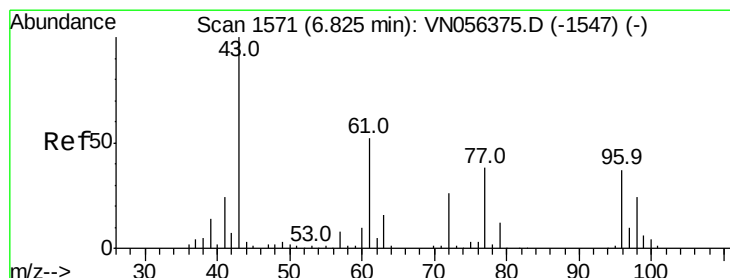
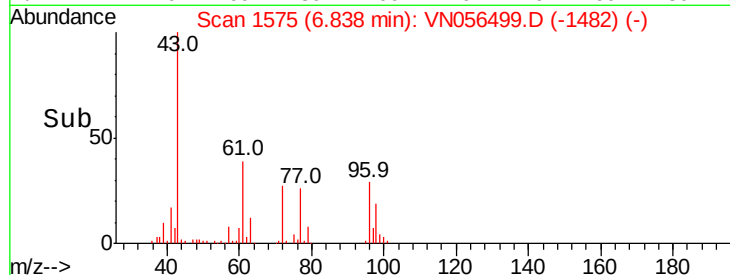
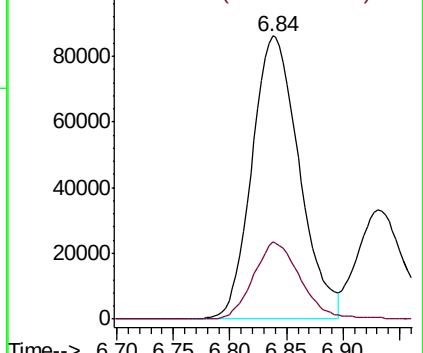
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.718 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056499.D

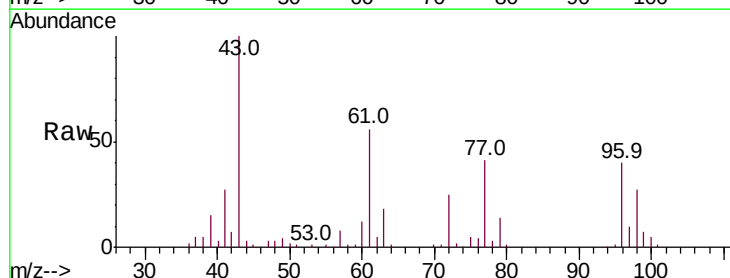
Acq: 26 Jun 2019 12:27

Tgt Ion: 77 Resp: 83388

Ion Ratio Lower Upper

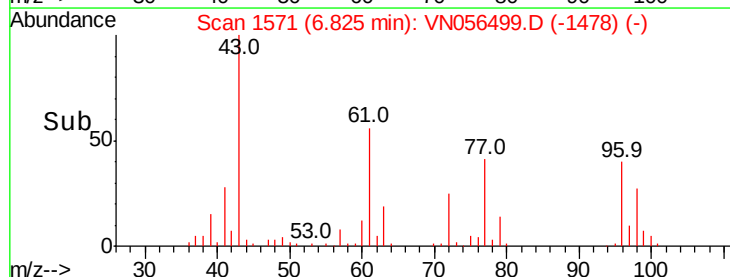
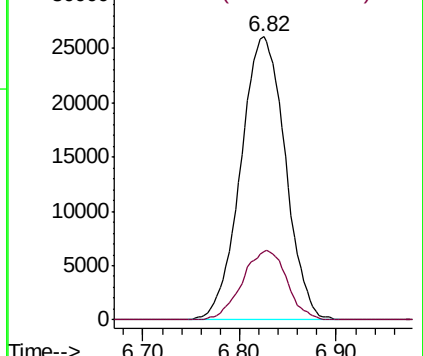
77 100

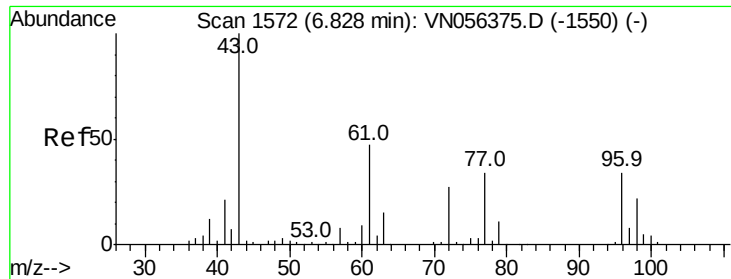
97 24.6 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.095 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

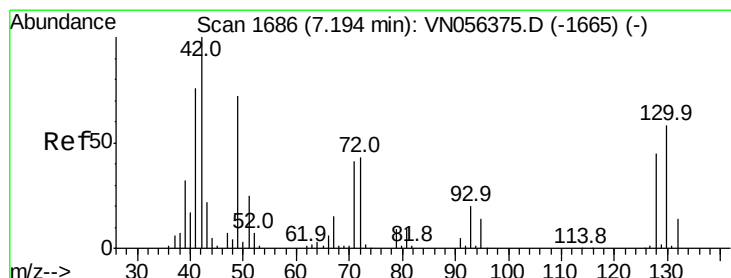
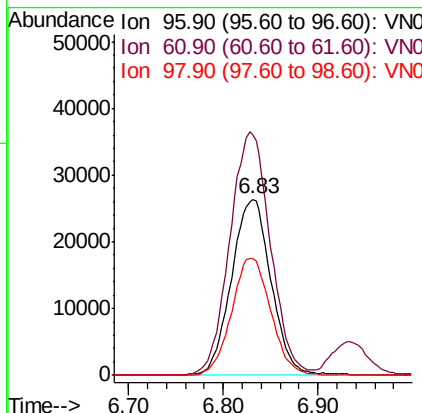
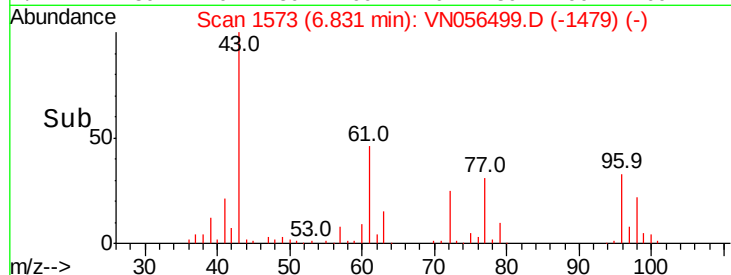
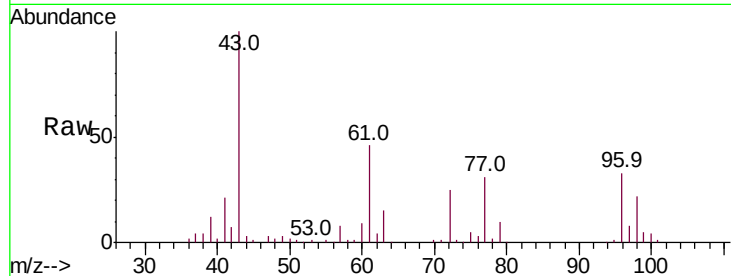
ClientSampleId :

VN0626WBS01

Tot Ion:	96	Resp:	76799
Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	279.8
98	65.7	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
6/29/2019 7:22:50 AM



#28

Bromochloromethane

Concen: 18.936 ug/l

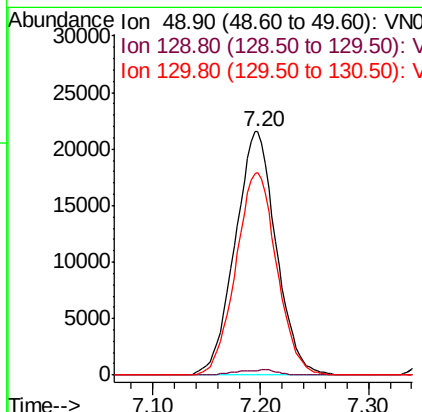
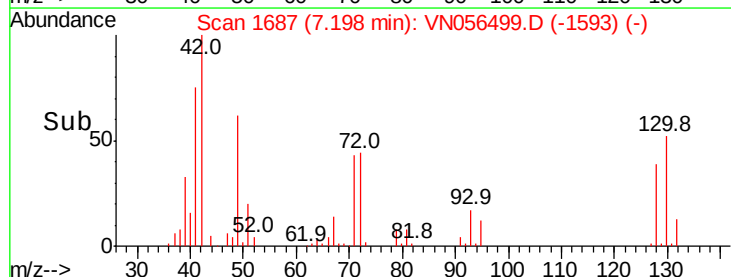
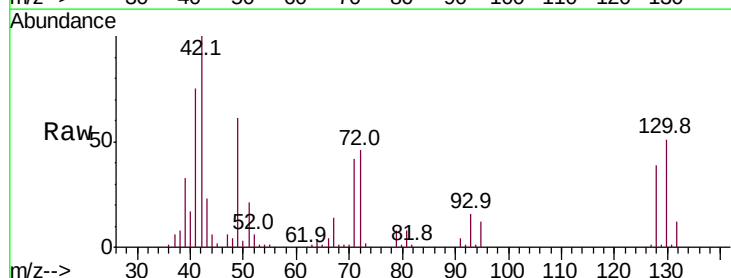
RT: 7.20 min Scan# 1687

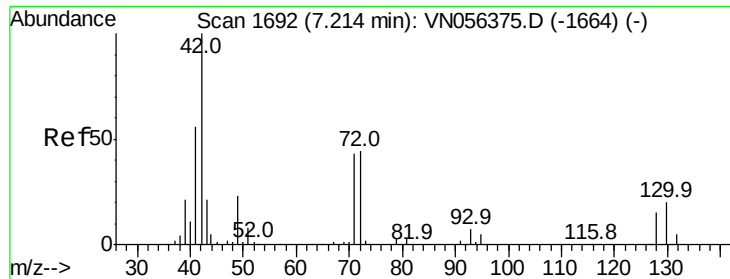
Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Tgt Ion:	49	Resp:	56952
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.2
130	82.8	64.9	97.3





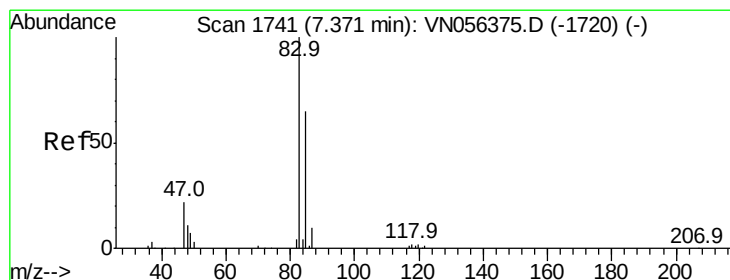
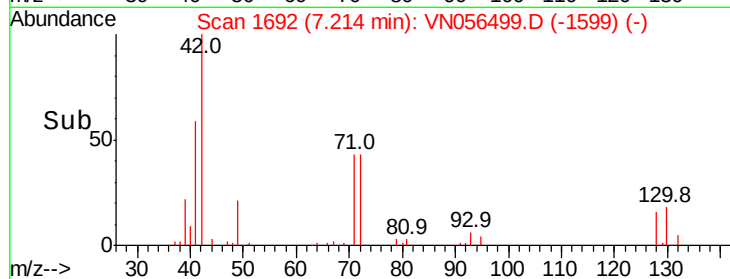
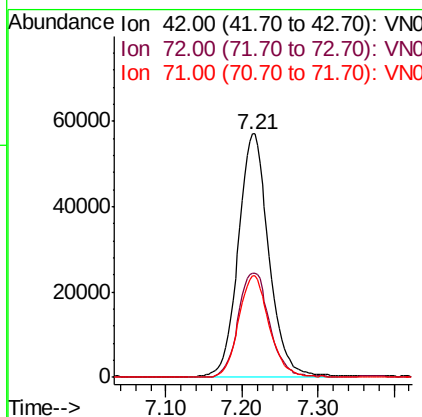
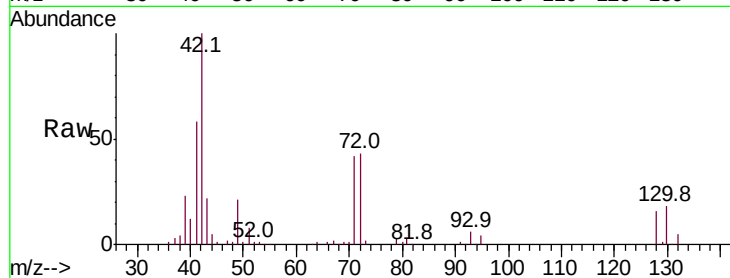
#29
Tetrahydrofuran
Concen: 104.184 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	34.7	52.1
71	41.2	33.0	49.6

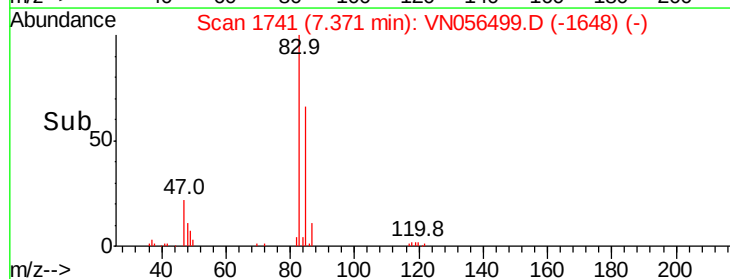
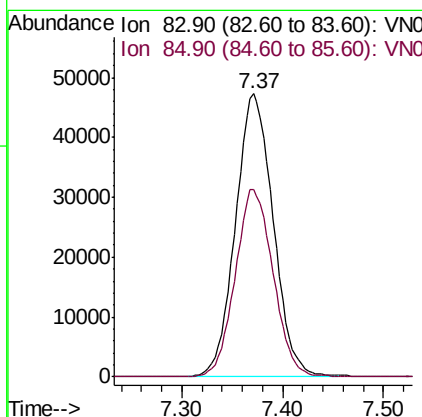
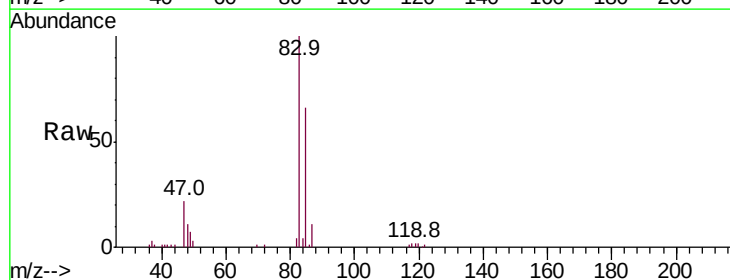
Manual Integrations
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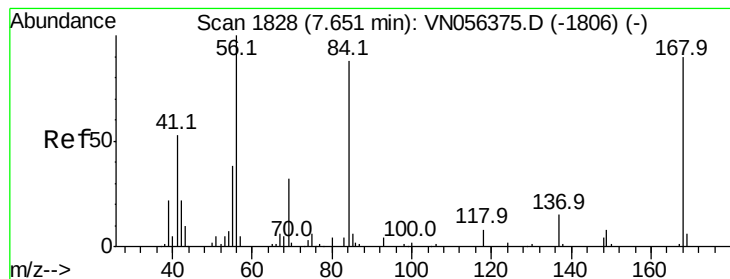
MMDadoda
6/29/2019 7:22:50 AM



#30
Chloroform
Concen: 20.456 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.3	78.5





#31

Cyclohexane

Concen: 18.235 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBS01

Tot Ion: 56 Resp: 107041

Ion Ratio Lower Upper

56 100

69 38.3 25.8 38.6

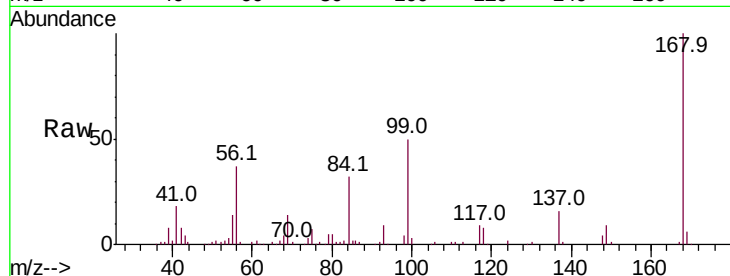
84 86.8 69.4 104.0

Manual Integrations

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MMDadoda

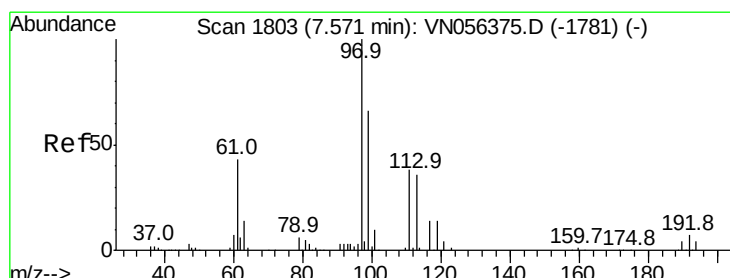
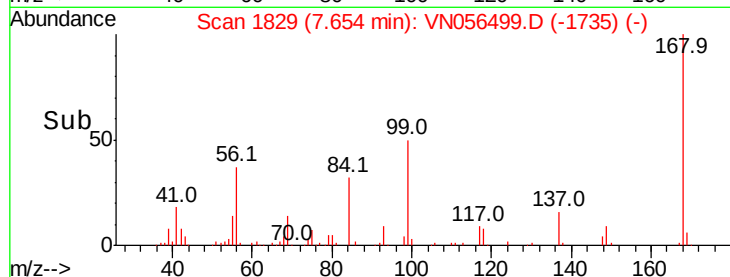
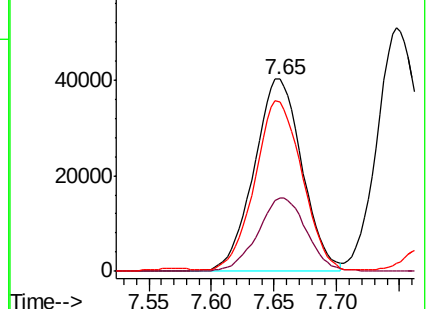
6/29/2019 7:22:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.092 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

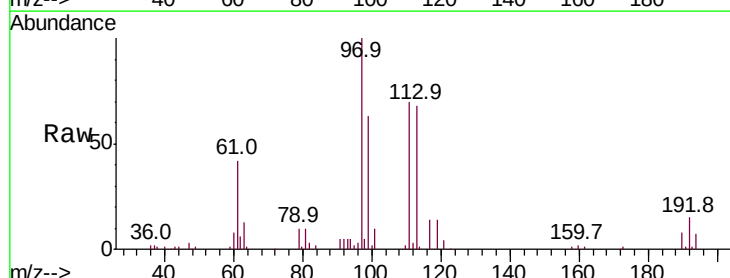
Tgt Ion: 97 Resp: 95556

Ion Ratio Lower Upper

97 100

99 65.2 51.8 77.6

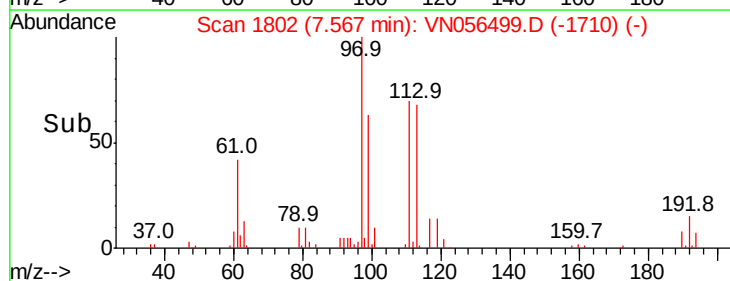
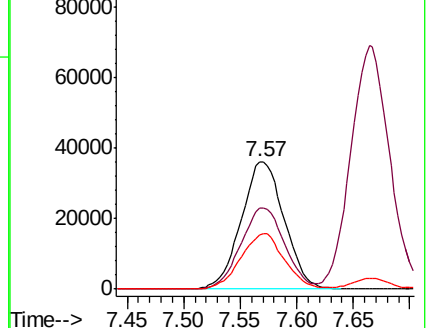
61 44.2 33.9 50.9

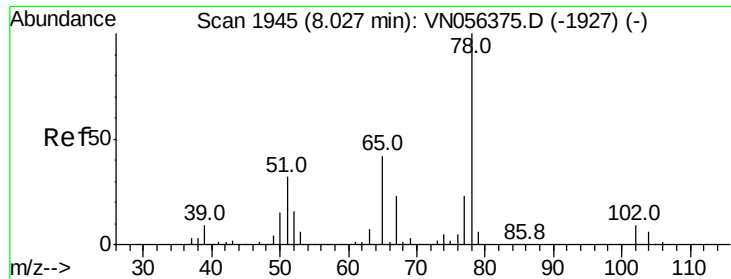


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





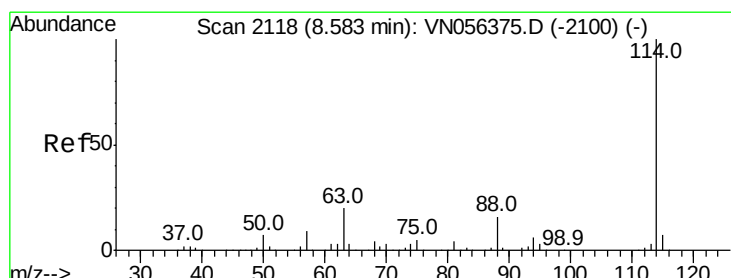
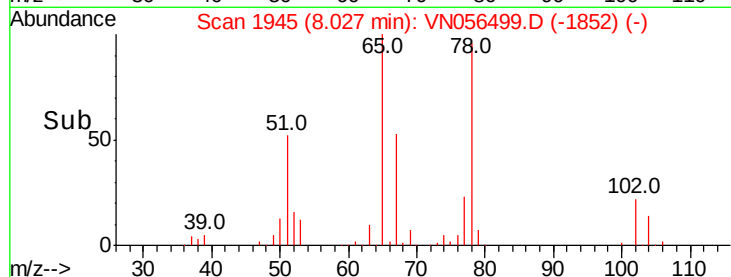
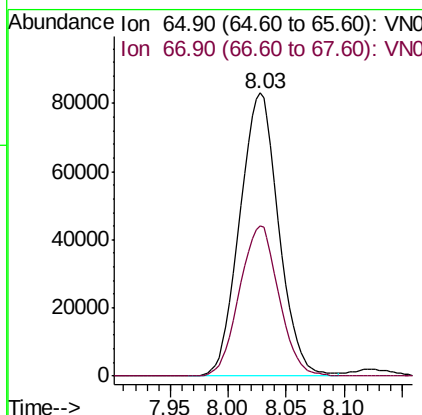
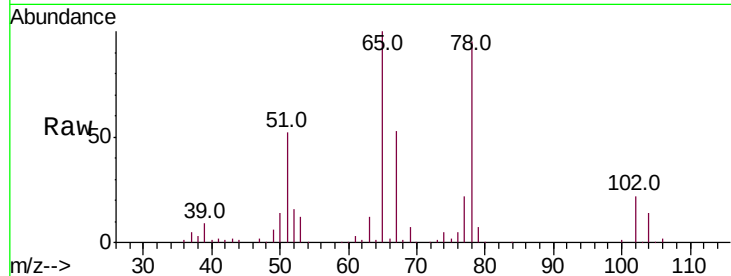
#33
 1,2-Dichloroethane-d4
 Concen: 51.062 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	194106		
67	53.7	0.0	109.0	

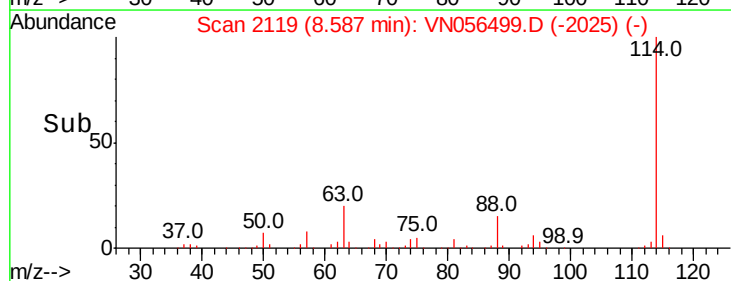
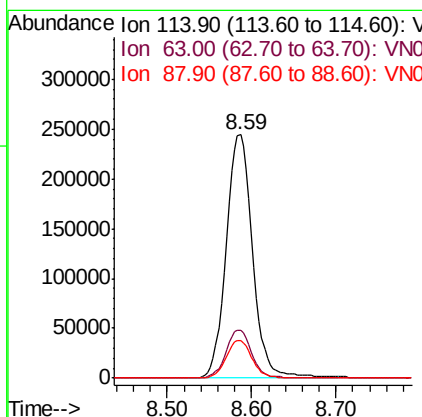
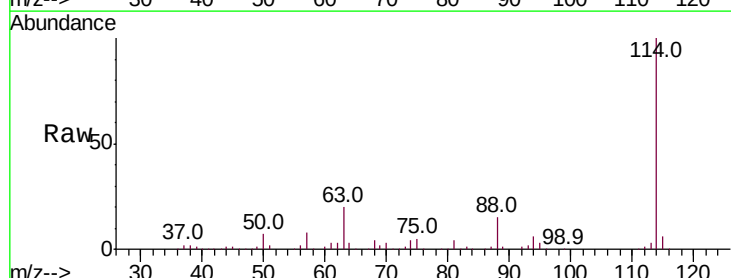
Manual Integrations
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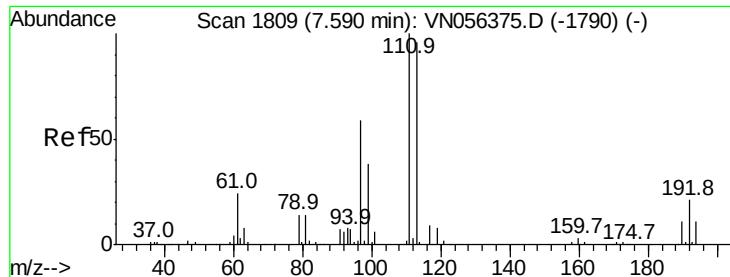
MMDadoda
 6/29/2019 7:22:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	531490		
63	19.9	0.0	39.2	
88	15.4	0.0	31.4	





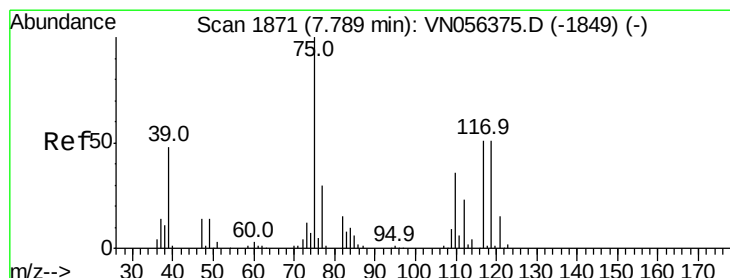
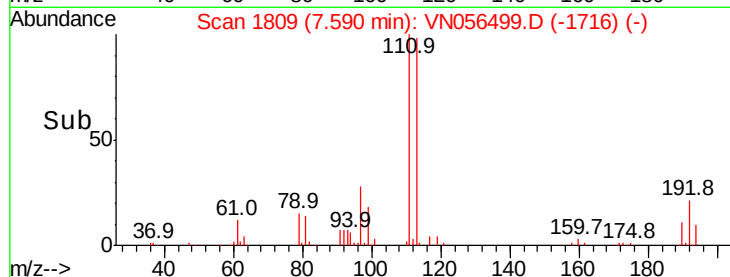
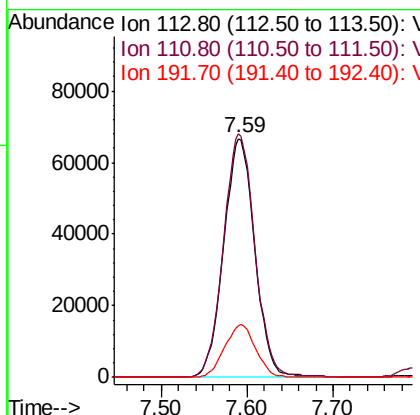
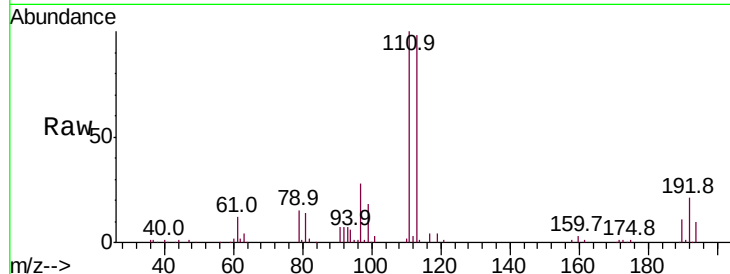
#35
 Dibromofluoromethane
 Concen: 50.465 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	21.9	17.7	26.5

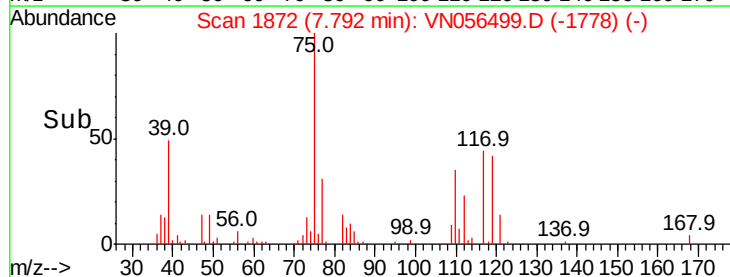
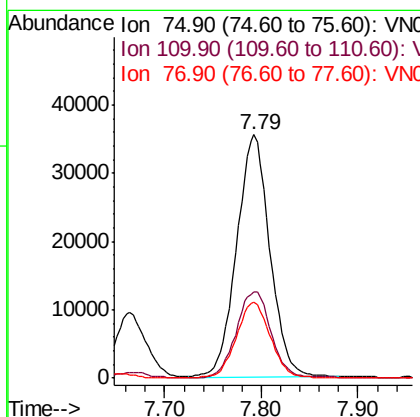
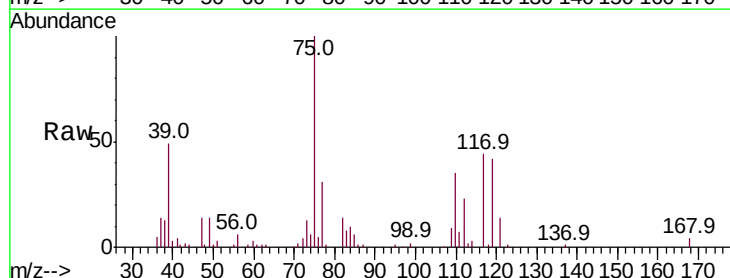
Manual Integrations
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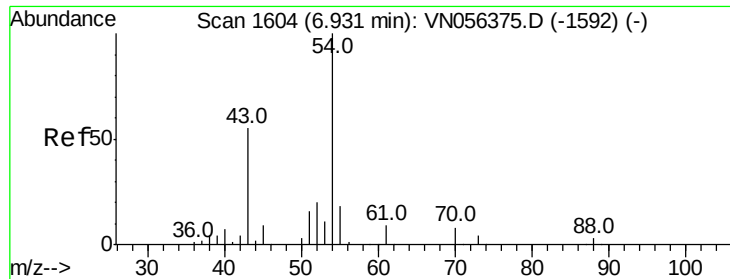
MMDadoda
 6/29/2019 7:22:50 AM



#36
 1,1-Dichloropropene
 Concen: 18.127 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.1	54.3
77	32.2	24.6	36.8





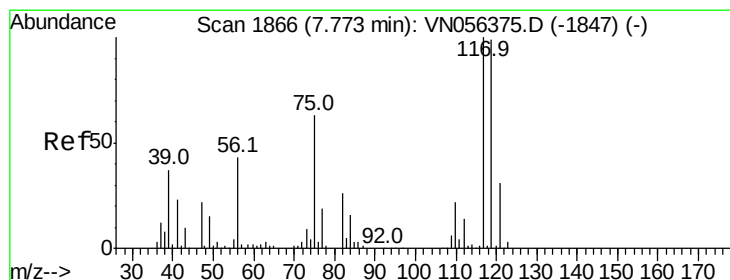
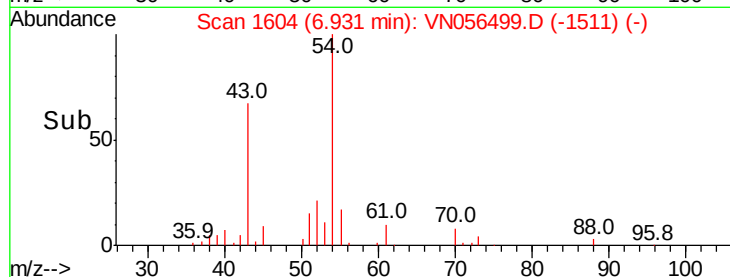
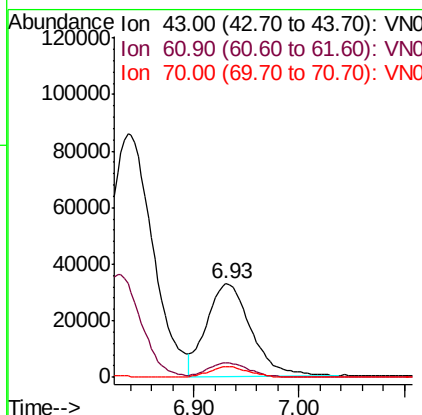
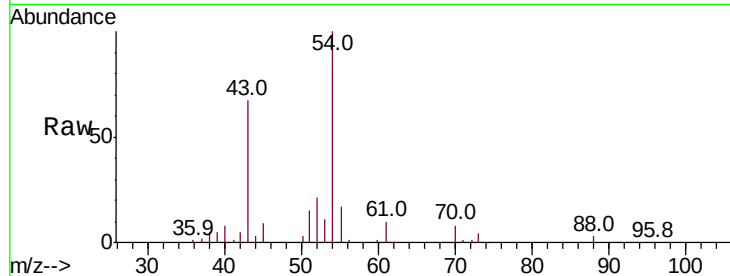
#37
Ethyl Acetate
Concen: 20.647 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	10.7	8.3	12.5

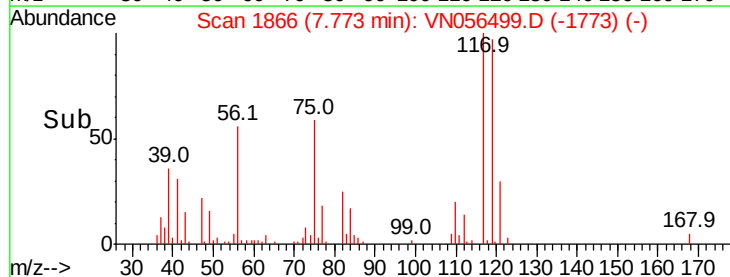
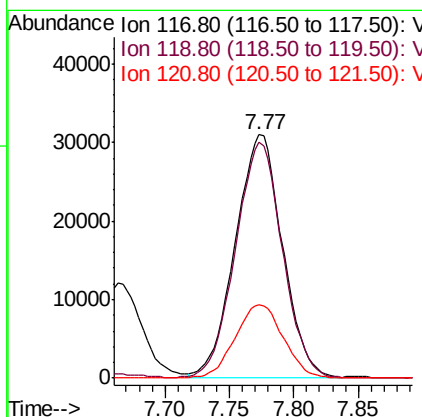
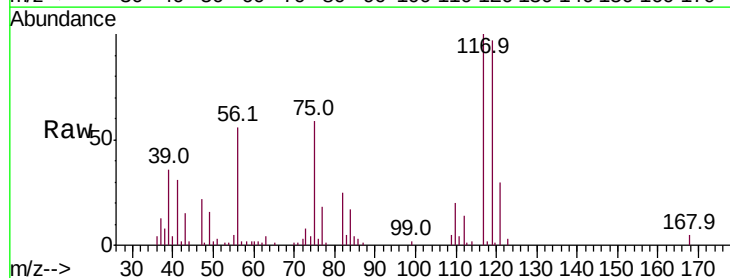
Manual Integrations
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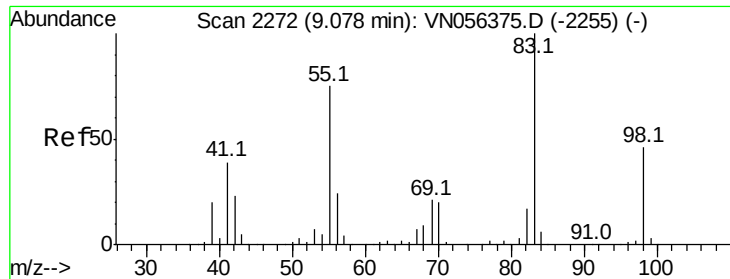
MMDadoda
6/29/2019 7:22:50 AM



#38
Carbon Tetrachloride
Concen: 19.359 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	79.1	118.7
121	30.0	24.8	37.2





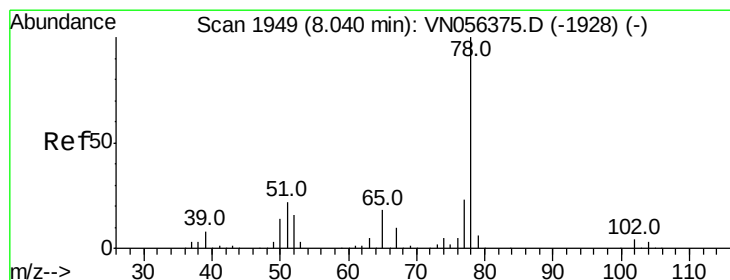
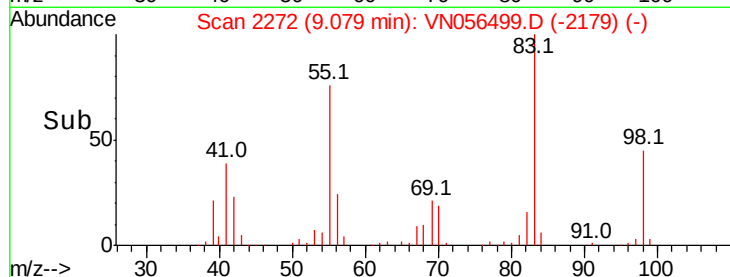
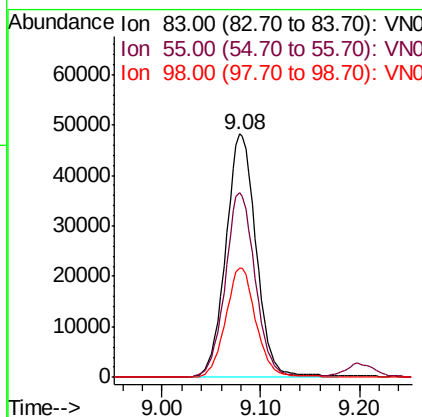
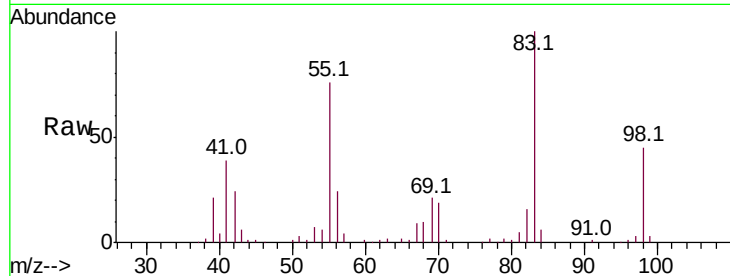
#39
Methylvlcyclohexane
Concen: 18.022 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	60.0	90.0
98	45.0	36.6	54.8

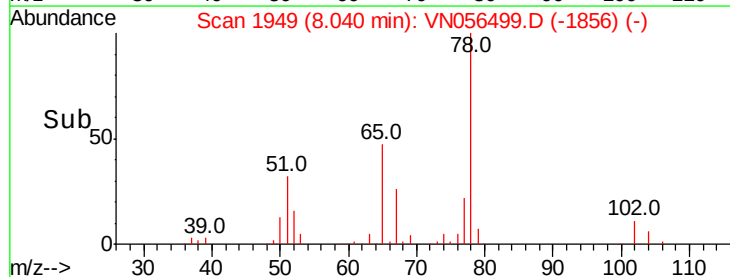
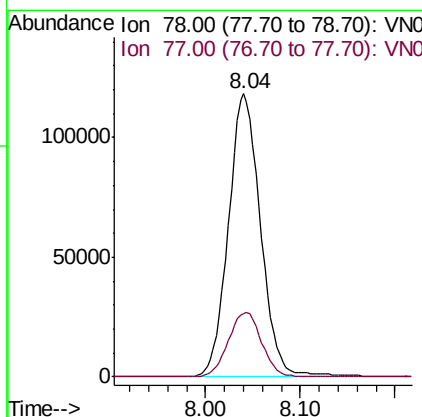
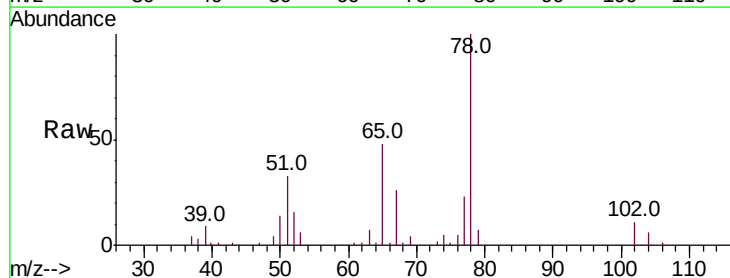
Manual Integrations
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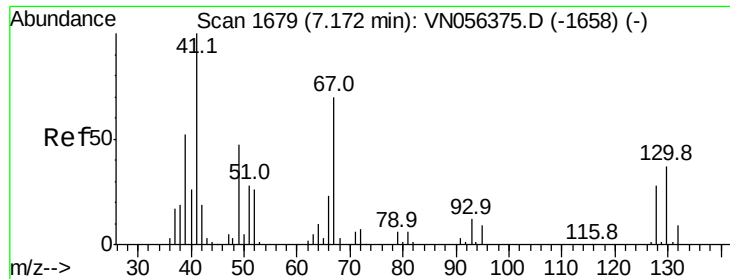
MMDadoda
6/29/2019 7:22:50 AM



#40
Benzene
Concen: 19.398 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.3	27.5





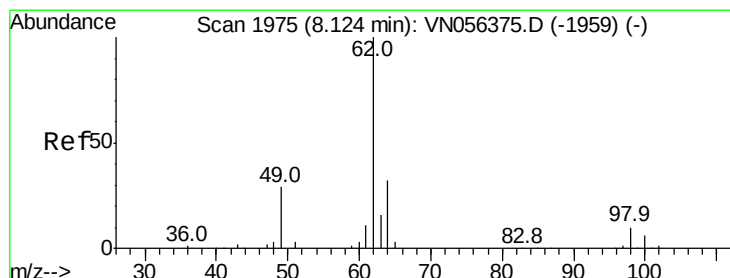
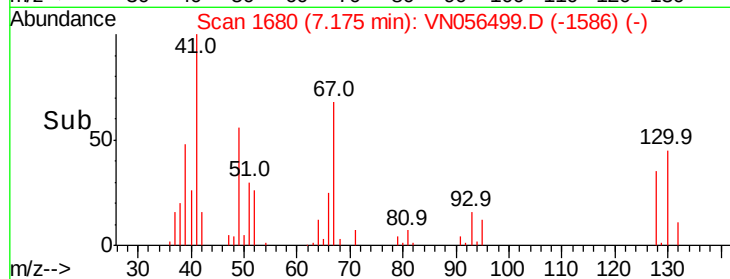
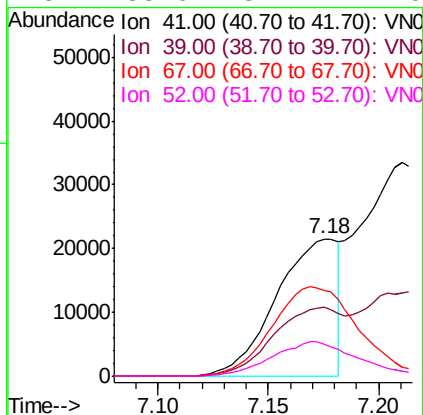
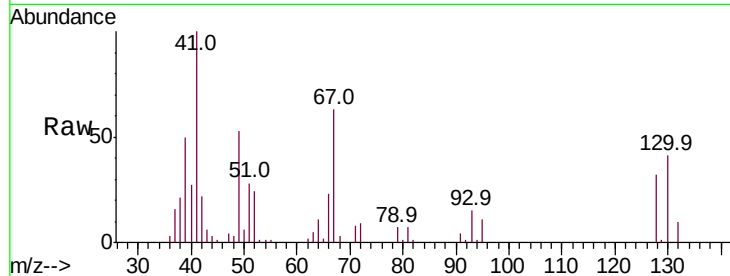
#41
Methacrylonitrile
Concen: 20.578 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	41.00 (40.70 to 41.70): VNC	100		
39	39.00 (38.70 to 39.70): VNC	56.2	55.3	82.9
67	67.00 (66.70 to 67.70): VNC	91.9	79.2	118.8
52	52.00 (51.70 to 52.70): VNC	35.6	31.4	47.0

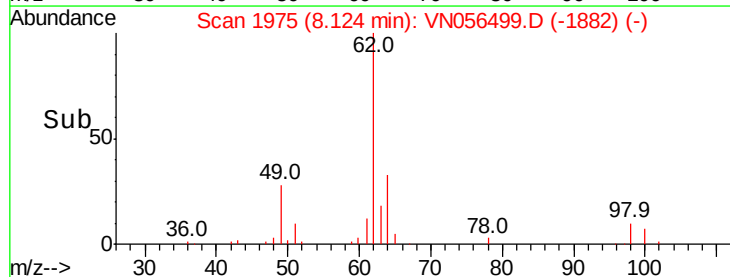
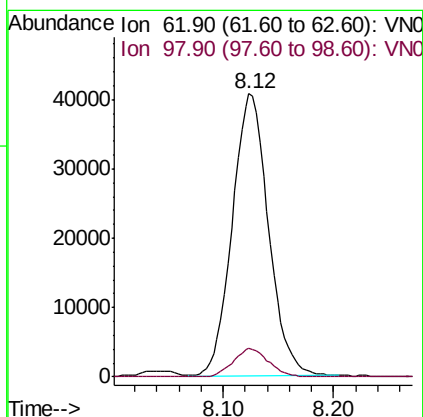
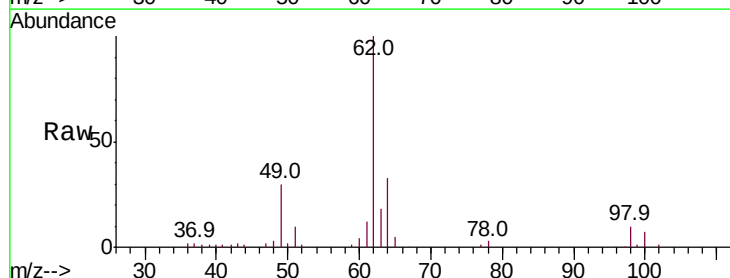
Manual Integrations
APPROVED

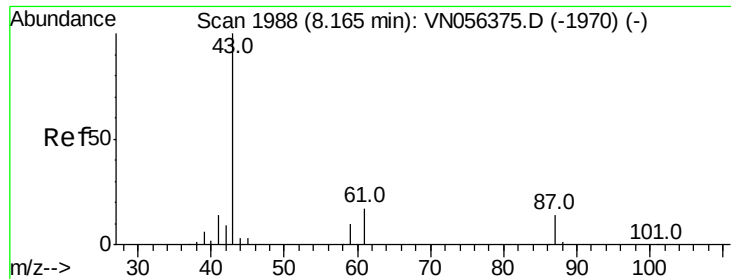
MMDadoda
6/29/2019 7:22:50 AM



#42
1,2-Dichloroethane
Concen: 19.540 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	62.00 (61.60 to 62.60): VNC	100		
98	97.90 (97.60 to 98.60): VNC	9.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.553 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

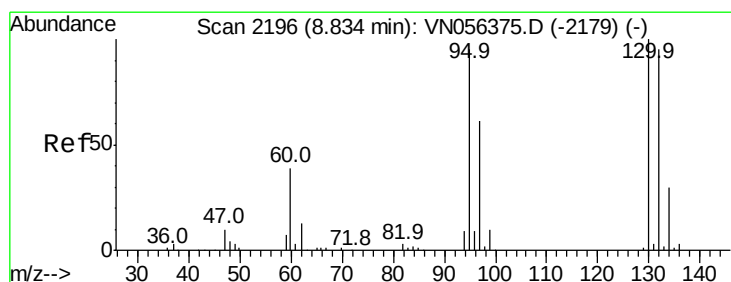
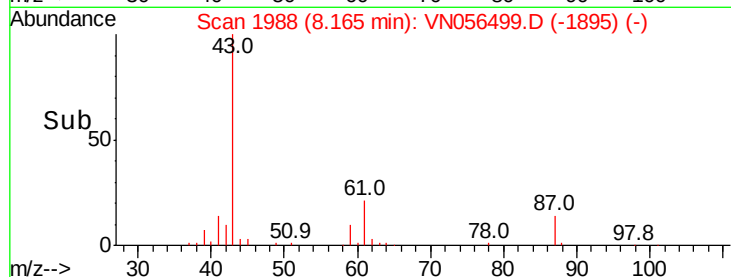
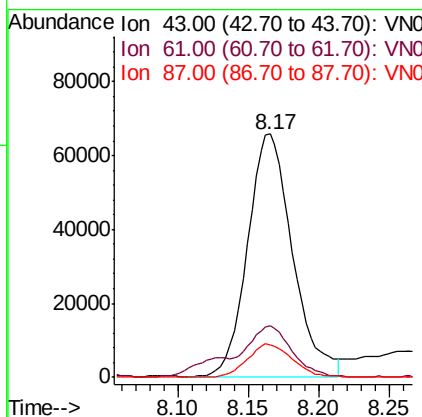
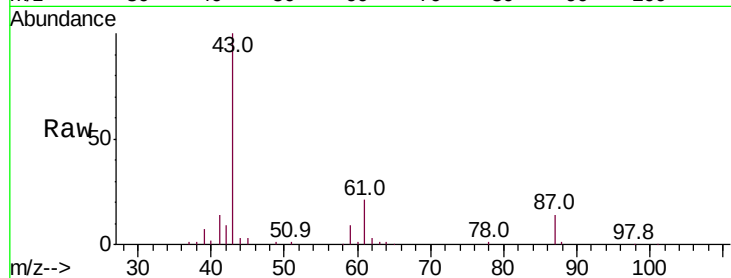
ClientSampleId :

VN0626WBS01

Tot Ion:	43	Resp:	145702
Ion Ratio	Lower	Upper	
43	100		
61	20.2	22.0	33.0#
87	13.8	11.0	16.4

Manual Integrations
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6/29/2019 7:22:50 AM



#44

Trichloroethene

Concen: 18.941 ug/l

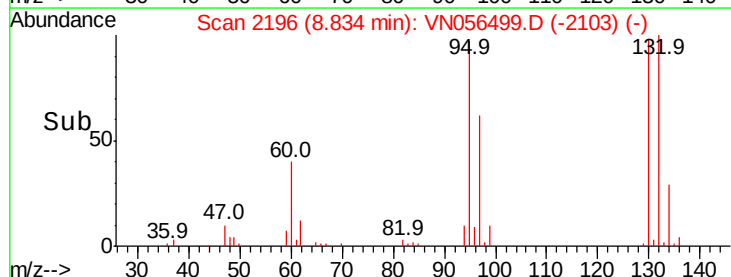
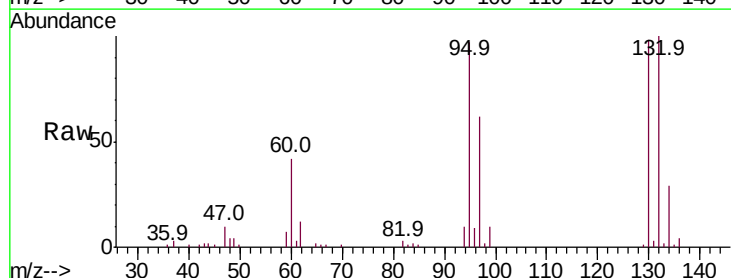
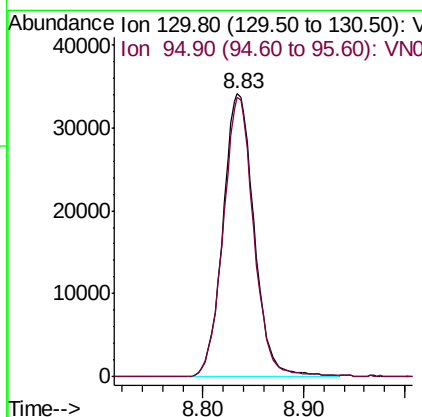
RT: 8.83 min Scan# 2196

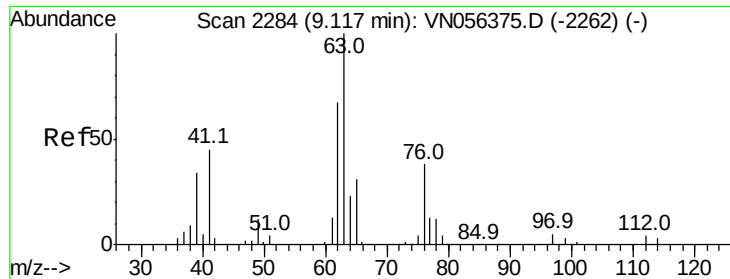
Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Tgt Ion:	130	Resp:	73421
Ion Ratio	Lower	Upper	
130	100		
95	98.8	0.0	191.0





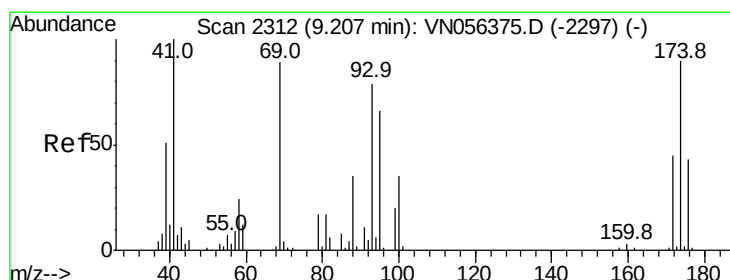
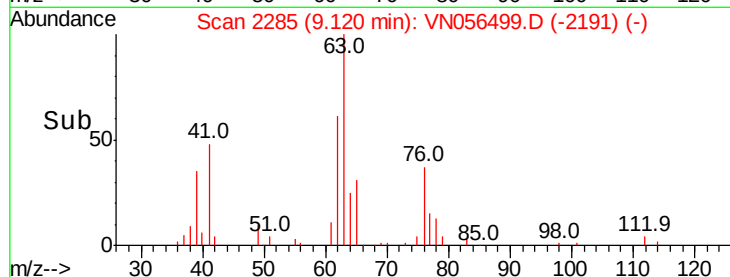
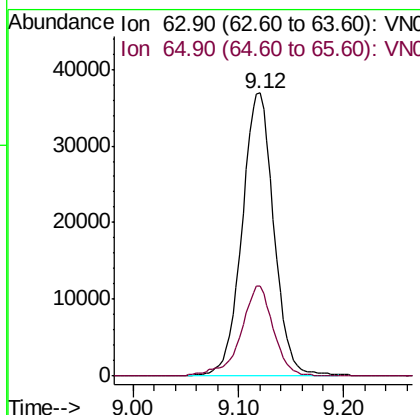
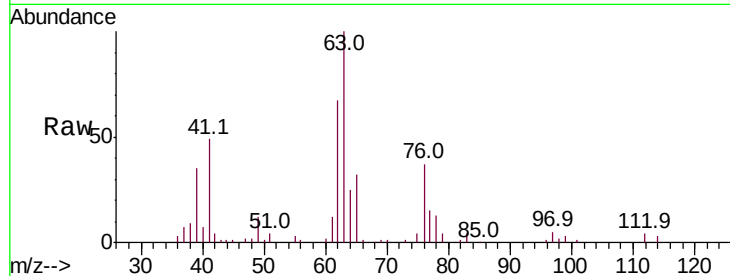
#45
1,2-Dichloropropane
Concen: 20.170 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion: 63 Resp: 77621
Ion Ratio Lower Upper
63 100
65 31.9 25.0 37.6

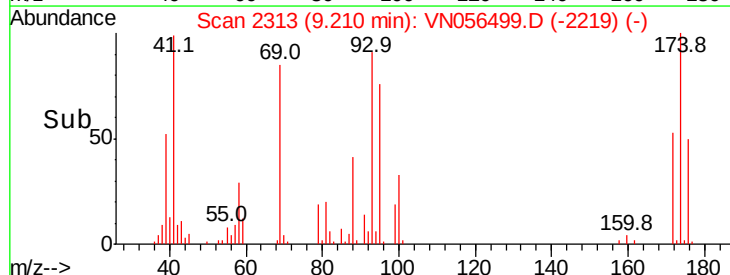
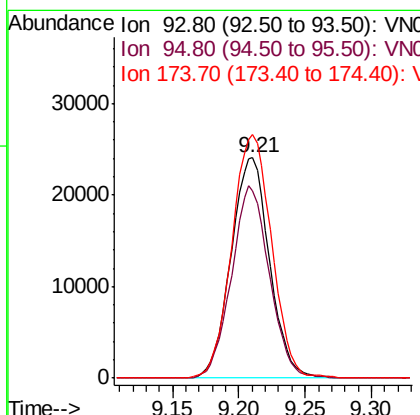
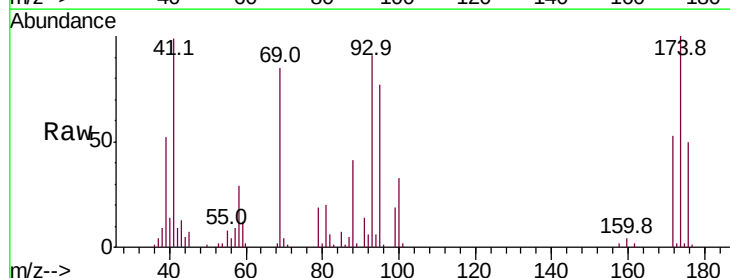
Manual Integrations
APPROVED

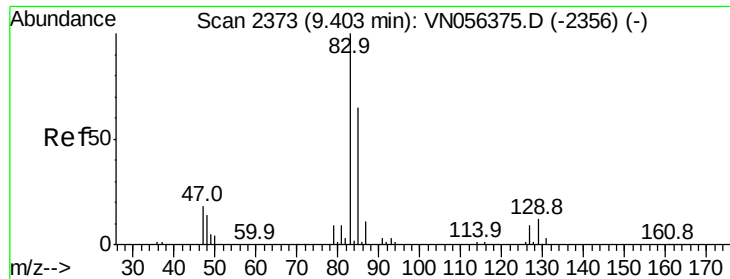
MMDadoda
6/29/2019 7:22:50 AM



#46
Dibromomethane
Concen: 20.181 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion: 93 Resp: 48588
Ion Ratio Lower Upper
93 100
95 85.6 66.2 99.2
174 113.9 90.8 136.2





#47

Bromodichloromethane

Concen: 20.447 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

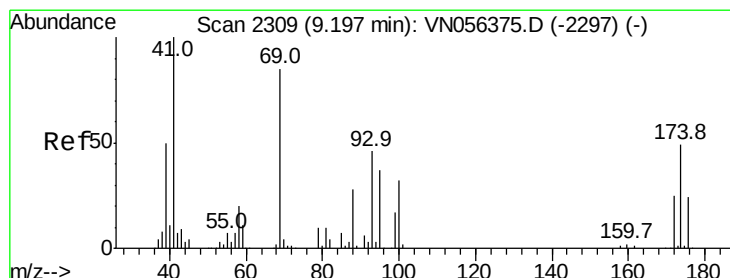
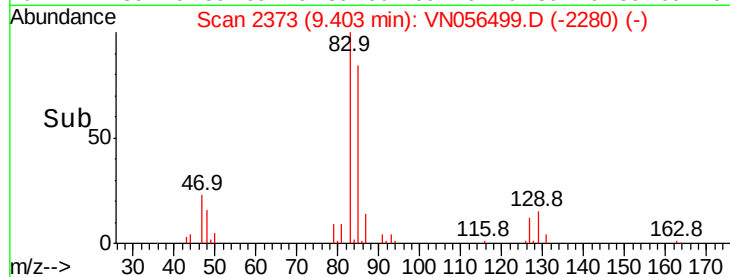
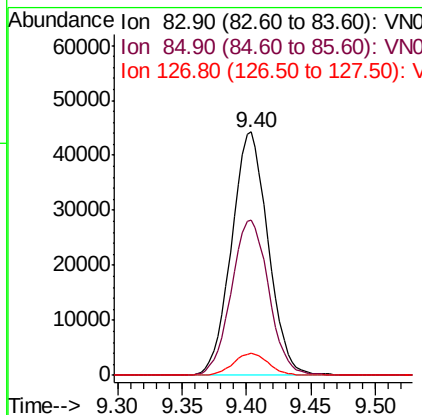
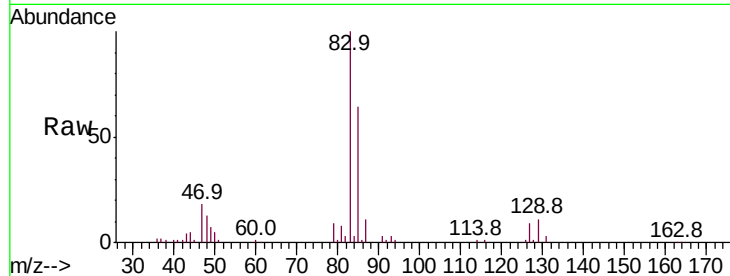
ClientSampleId :

VN0626WBS01

Tot Ion:	83	Resp:	87313
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.2	78.4
127	8.9	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
6/29/2019 7:22:50 AM



#48

Methyl methacrylate

Concen: 19.869 ug/l

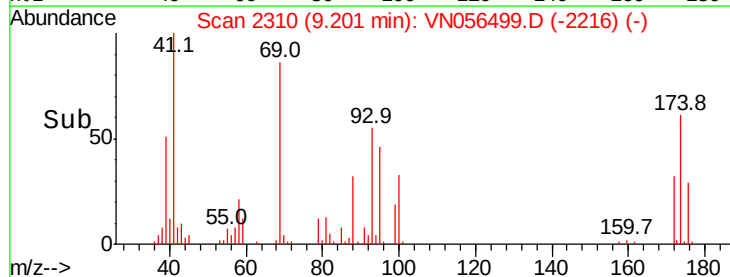
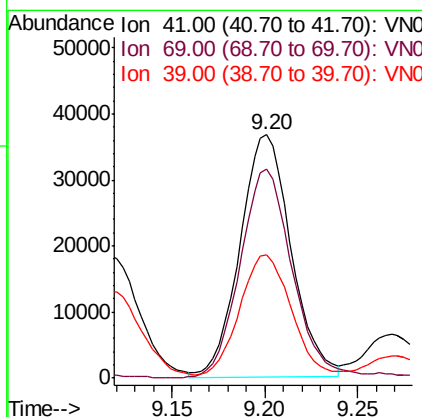
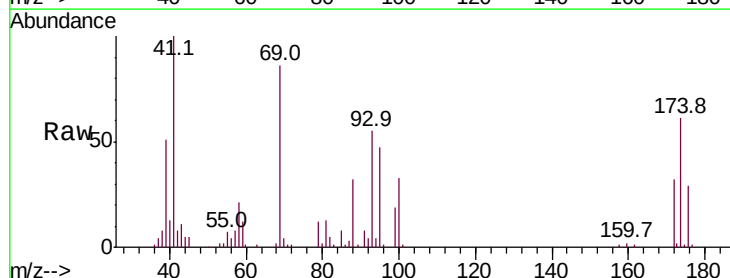
RT: 9.20 min Scan# 2310

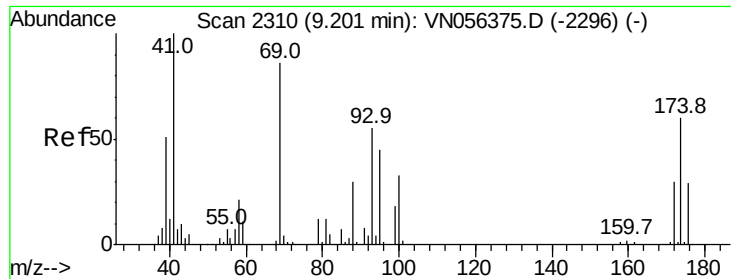
Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Tgt Ion:	41	Resp:	70584
Ion Ratio	Lower	Upper	
41	100		
69	88.2	72.6	109.0
39	52.2	42.6	63.8





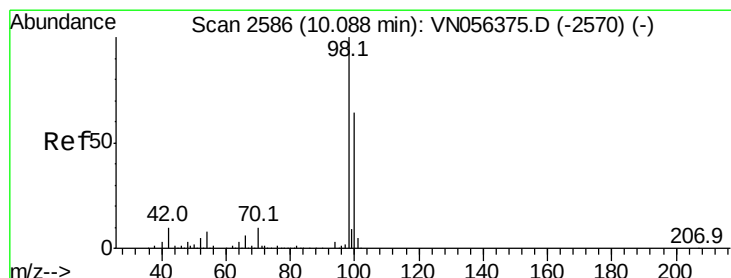
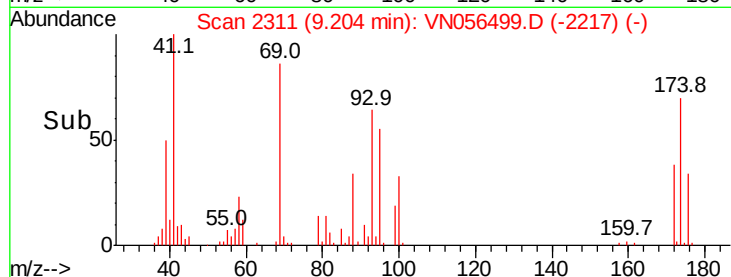
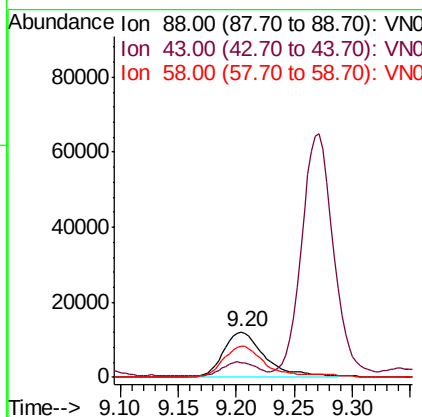
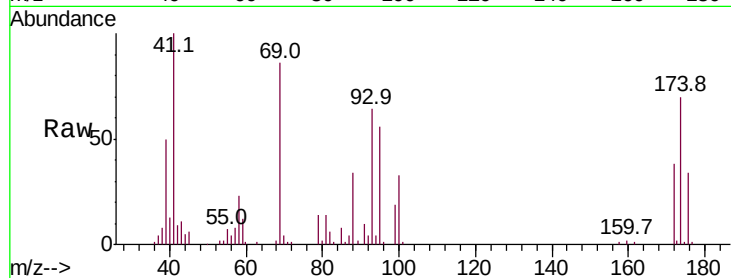
#49
1,4-Dioxane
Concen: 409.113 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	88	Resp	30160
Ion Ratio	100	Lower	Upper
88	100		
43	25.8	22.0	33.0
58	66.4	51.8	77.8

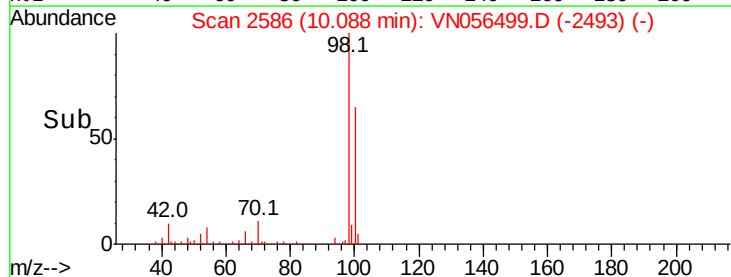
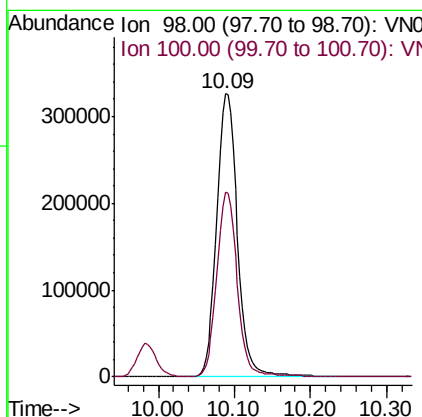
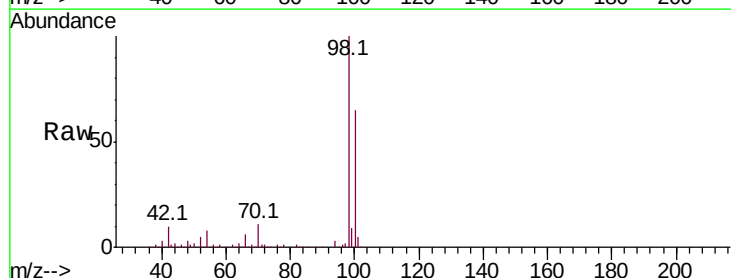
Manual Integrations
APPROVED

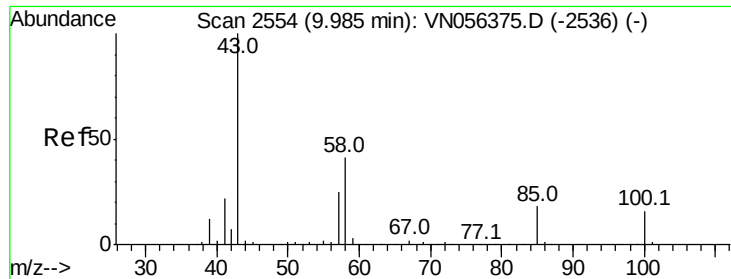
MMDadoda
6/29/2019 7:22:50 AM



#50
Toluene-d8
Concen: 48.049 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	98	Resp	619898
Ion Ratio	100	Lower	Upper
98	100		
100	64.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 101.243 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBS01

Tot Ion: 43 Resp: 463236

Ion Ratio Lower Upper

43 100

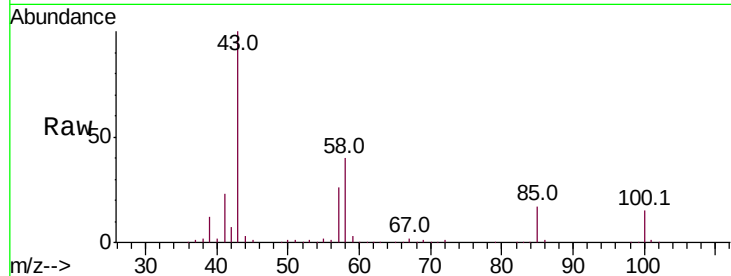
58 39.9 31.8 47.8

Manual Integrations

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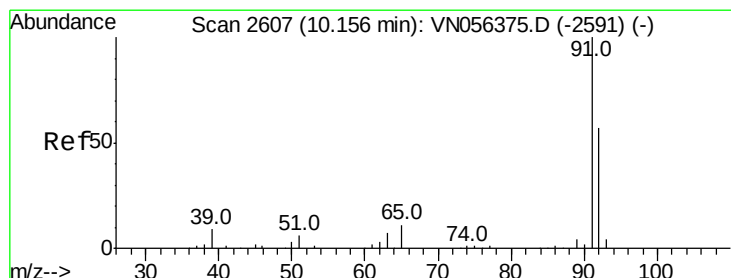
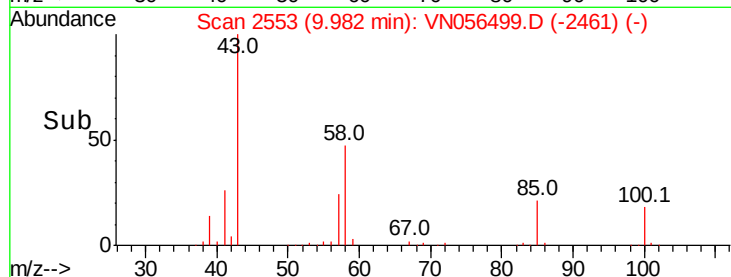
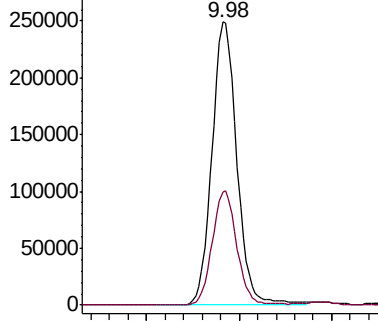
MMDadoda

6/29/2019 7:22:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.509 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056499.D

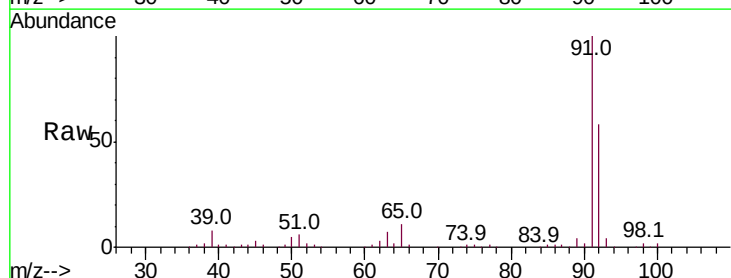
Acq: 26 Jun 2019 12:27

Tgt Ion: 92 Resp: 171628

Ion Ratio Lower Upper

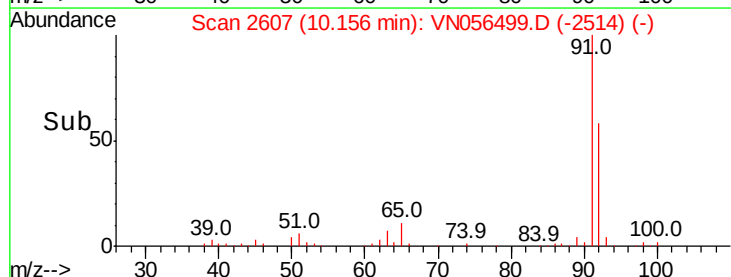
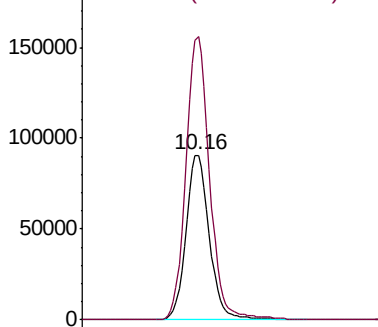
92 100

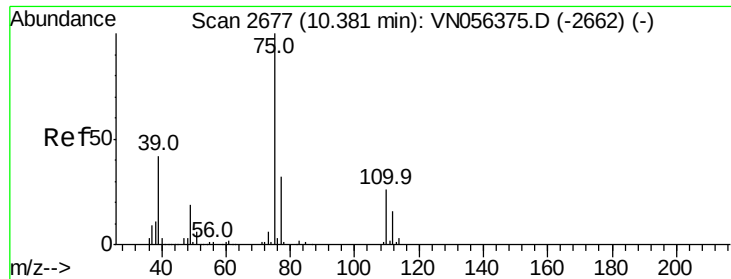
91 174.3 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





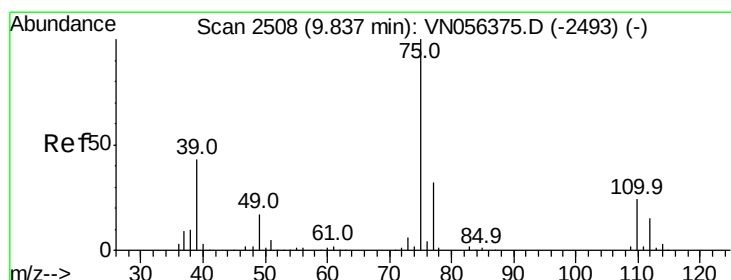
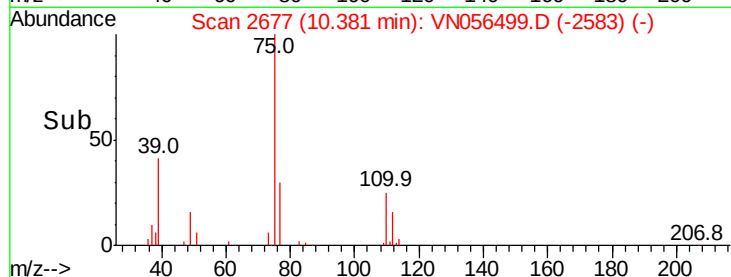
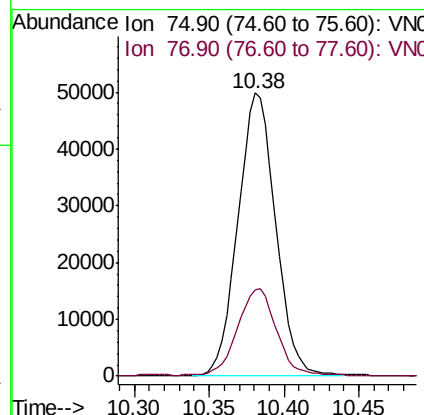
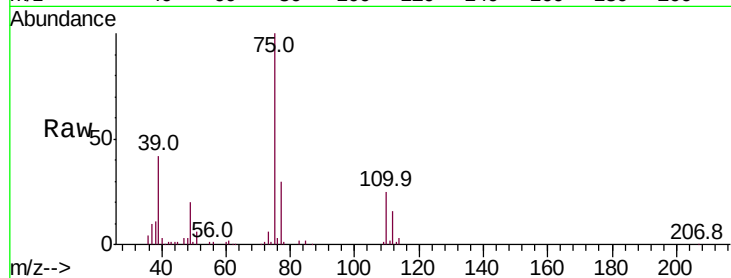
#53
t-1,3-Dichloropropene
Concen: 19.482 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion: 75 Resp: 87580
Ion Ratio Lower Upper
75 100
77 29.8 25.4 38.2

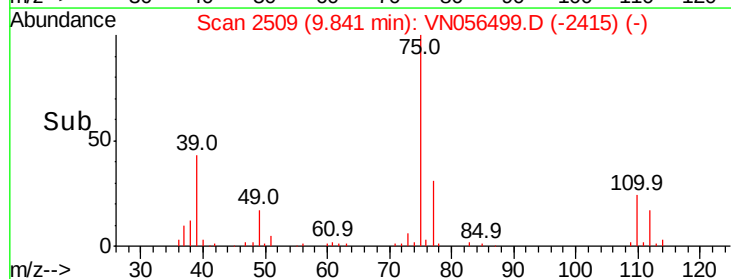
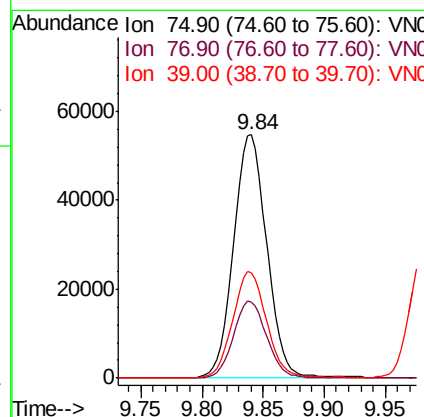
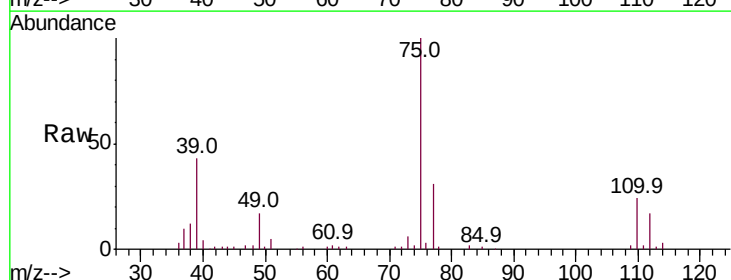
Manual Integrations
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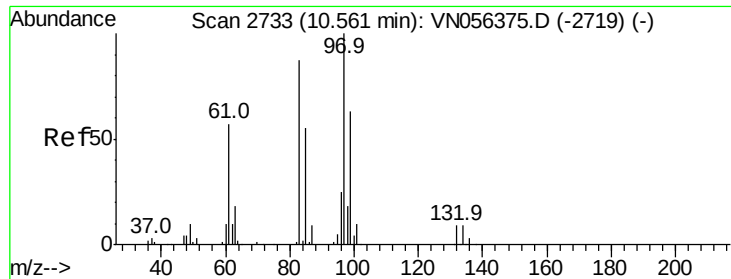
MMDadoda
6/29/2019 7:22:50 AM



#54
cis-1,3-Dichloropropene
Concen: 20.194 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion: 75 Resp: 103844
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 43.2 34.2 51.4





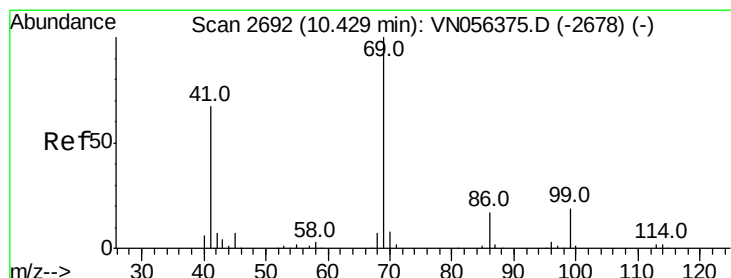
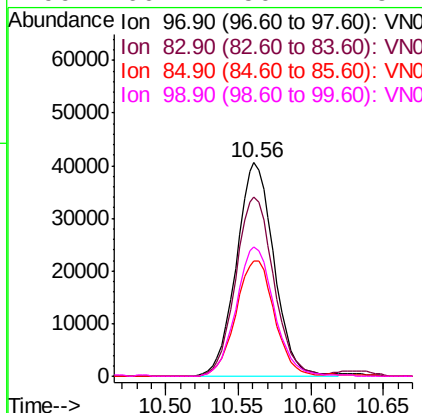
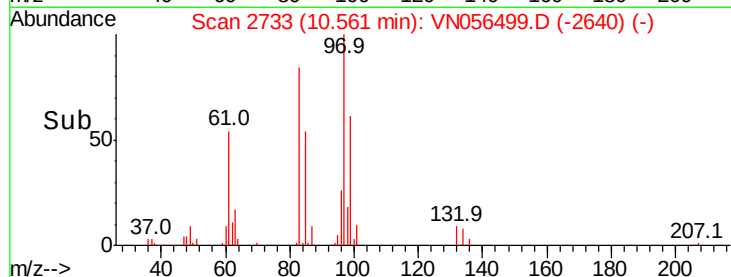
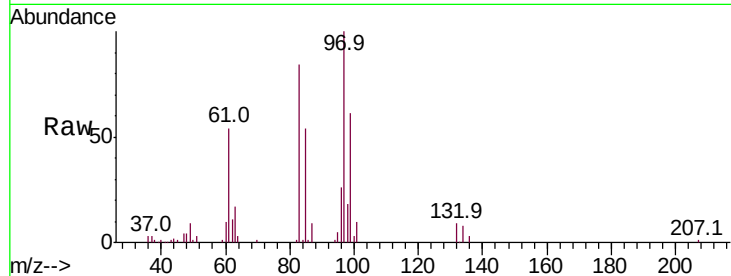
#55
 1,1,2-Trichloroethane
 Concen: 20.693 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS01

Tot Ion	97	Resp	73177
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.8	104.6
85	54.1	43.8	65.8
99	60.7	50.2	75.2

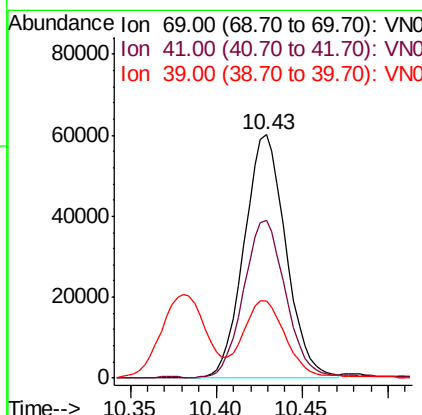
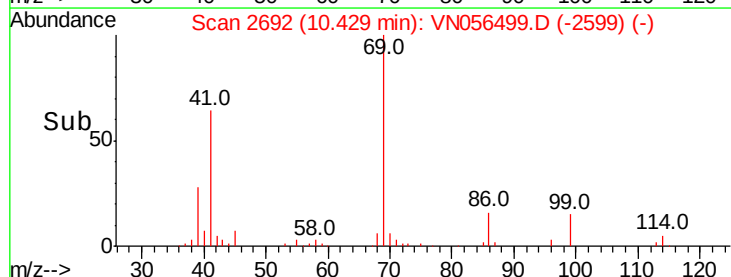
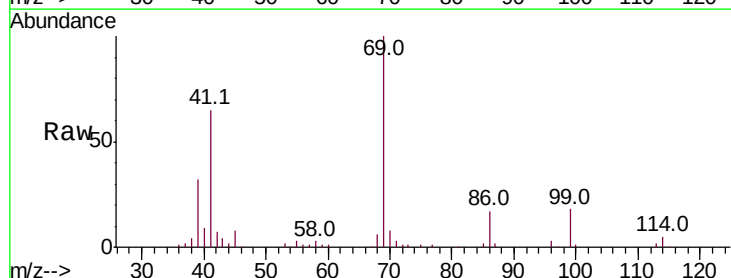
Manual Integrations
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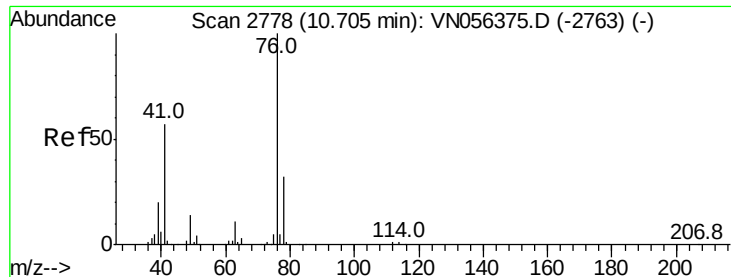
MMDadoda
 6/29/2019 7:22:50 AM



#56
 Ethyl methacrylate
 Concen: 19.596 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Tgt Ion	69	Resp	101273
Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.4	77.2
39	31.2	24.7	37.1





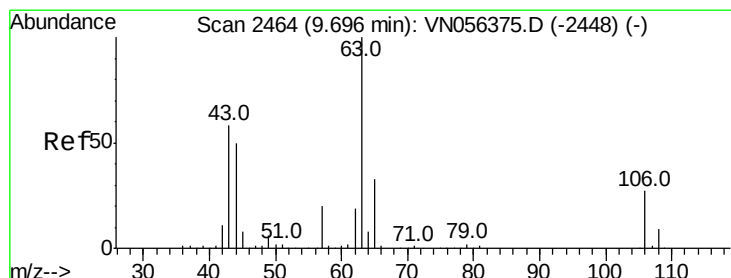
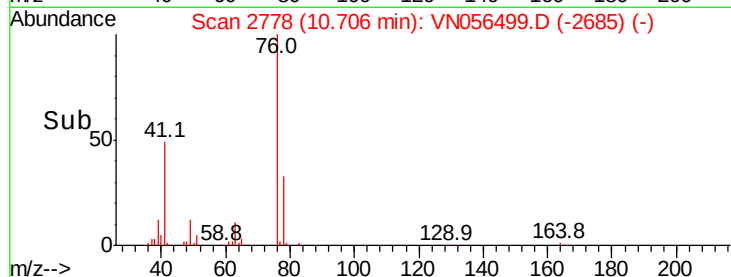
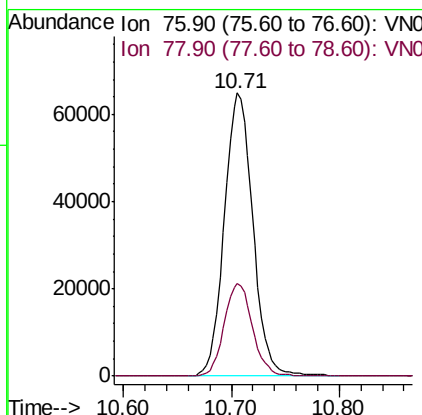
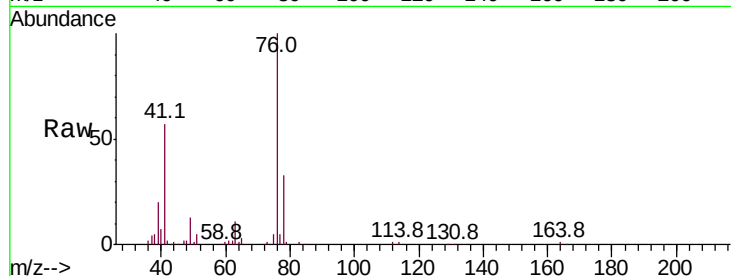
#57
 1,3-Dichloropropane
 Concen: 20.133 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS01

Tot Ion: 76 Resp: 119605
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9

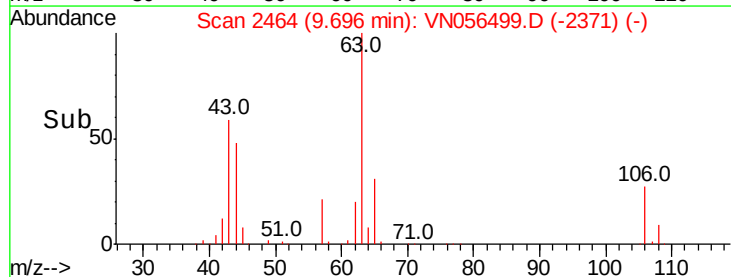
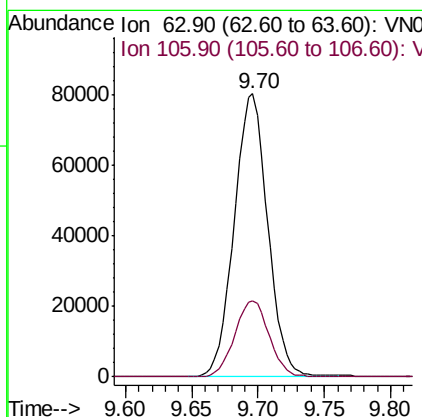
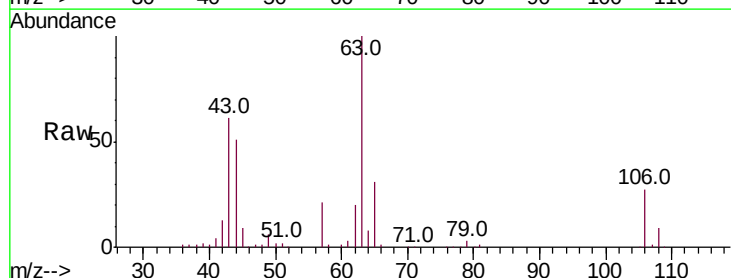
Manual Integrations
 APPROVED

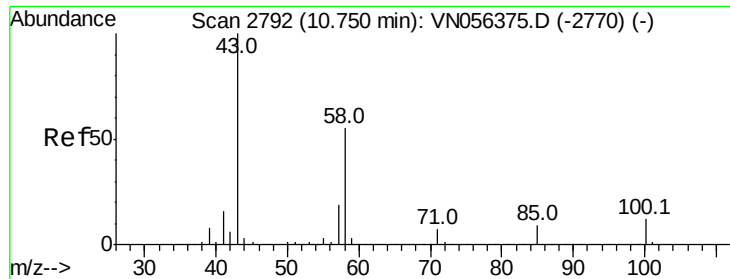
MMDadoda
 6/29/2019 7:22:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 76.037 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Tgt Ion: 63 Resp: 141171
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.6 32.4





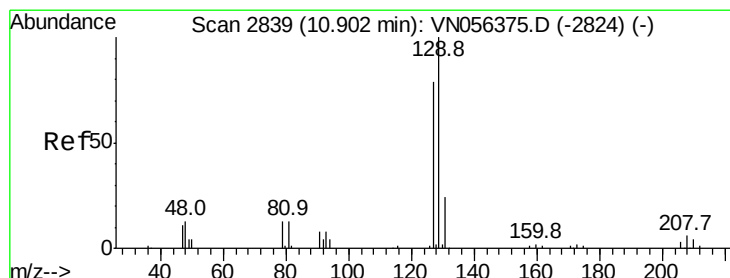
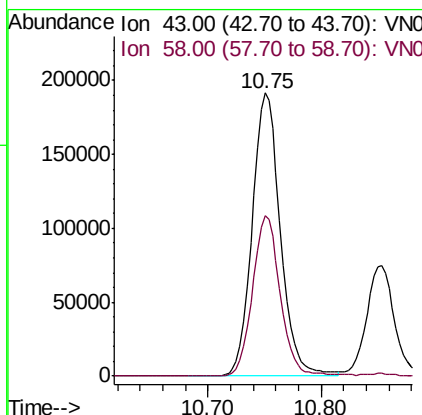
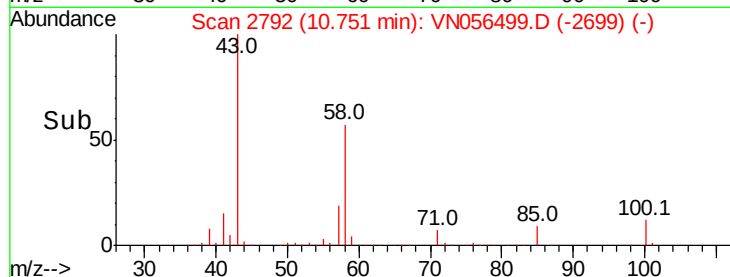
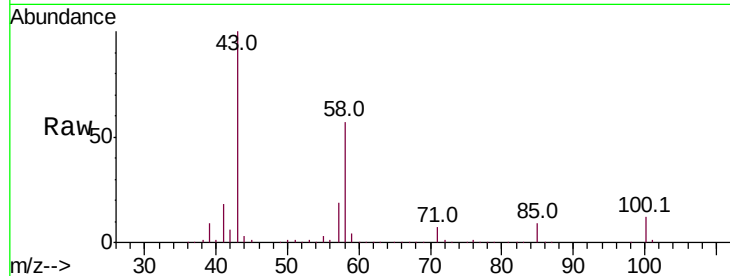
#59
2-Hexanone
Concen: 98.187 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion: 43 Resp: 330185
Ion Ratio Lower Upper
43 100
58 56.1 27.8 83.4

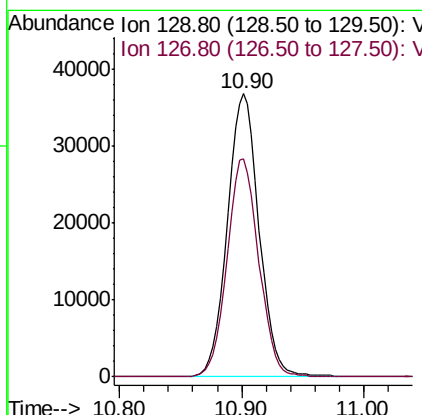
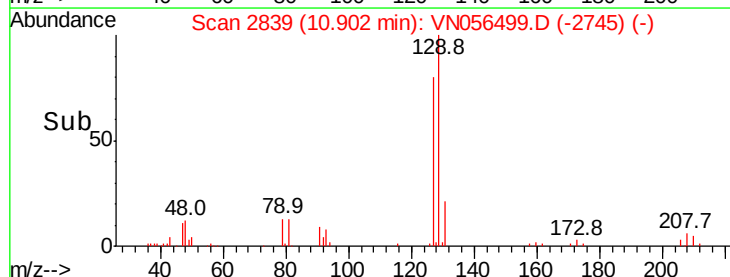
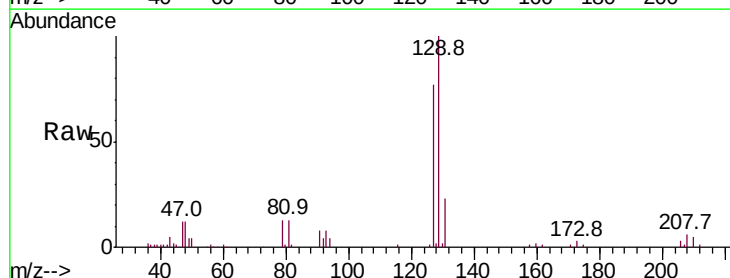
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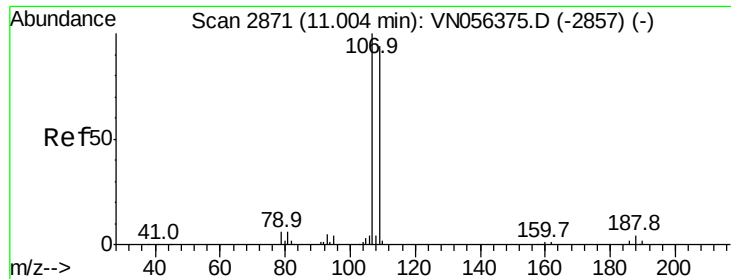
MMDadoda
6/29/2019 7:22:50 AM



#60
Dibromochloromethane
Concen: 19.871 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion: 129 Resp: 66748
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7





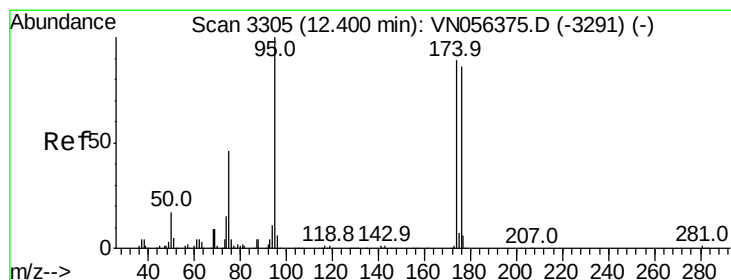
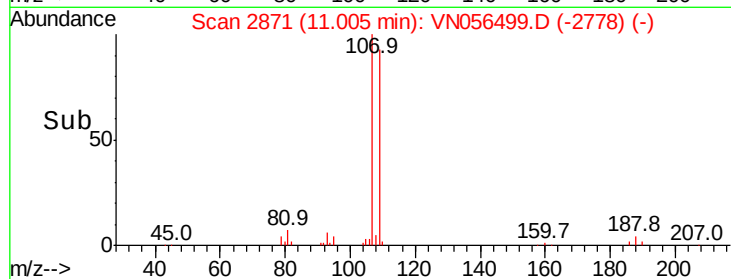
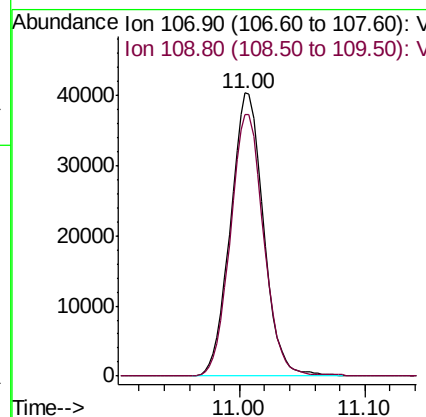
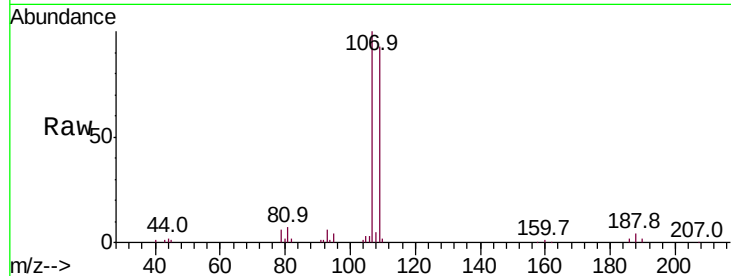
#61
 1,2-Dibromoethane
 Concen: 20.378 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.3	112.9

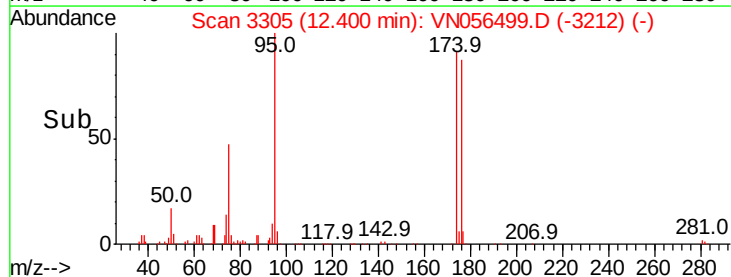
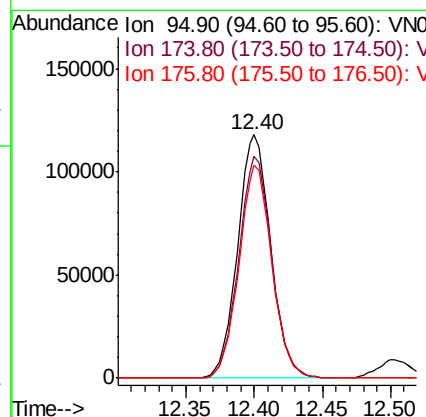
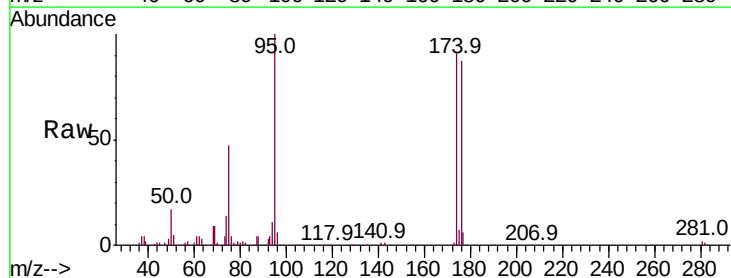
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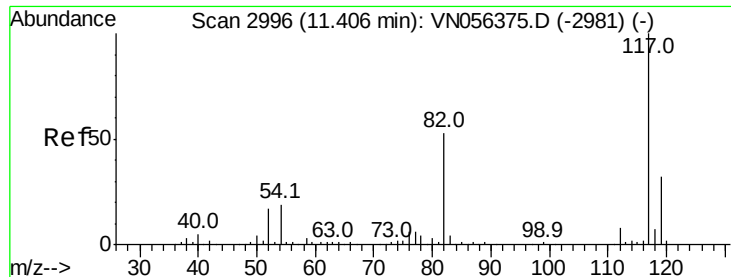
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 6/29/2019 7:22:50 AM



#62
 4-Bromofluorobenzene
 Concen: 46.118 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	179.4
176	86.9	0.0	173.4





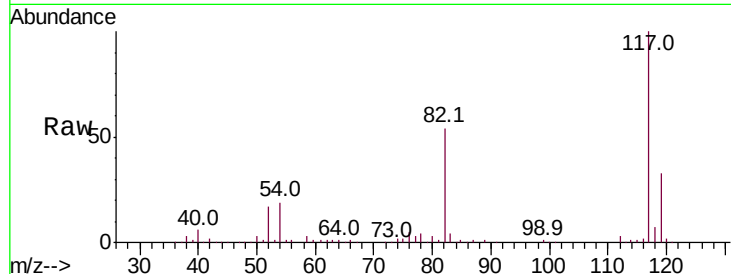
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.0	63.0
119	32.7	25.3	37.9

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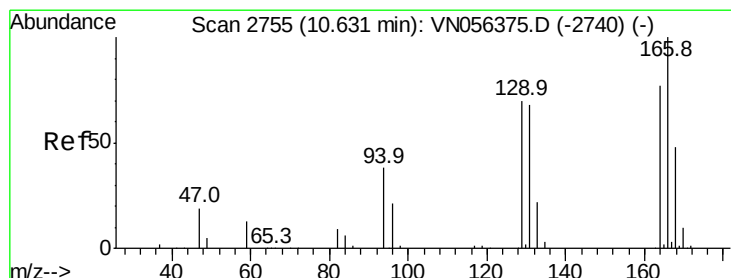
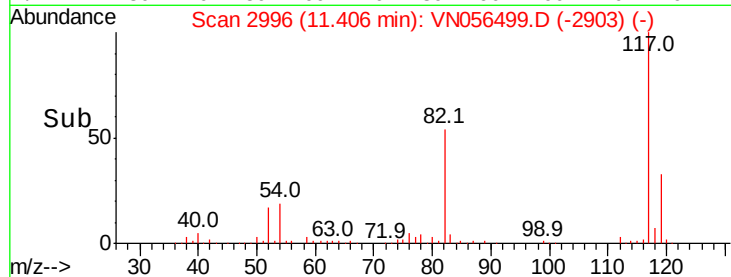
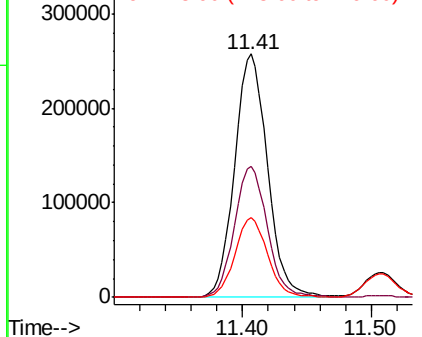


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.649 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	103.4	155.0
129	90.1	72.0	108.0
131	88.1	70.2	105.2

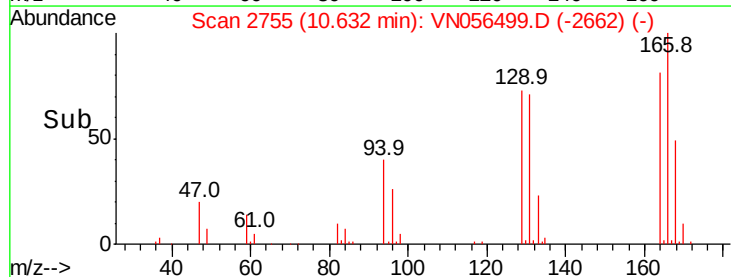
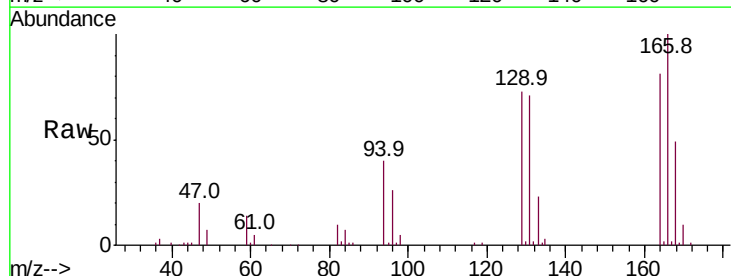
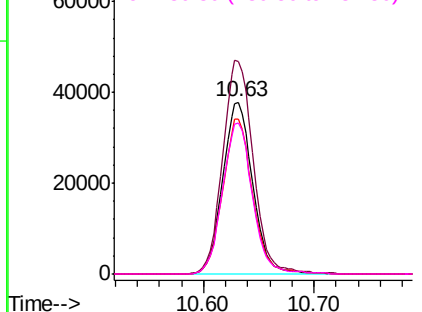
Abundance

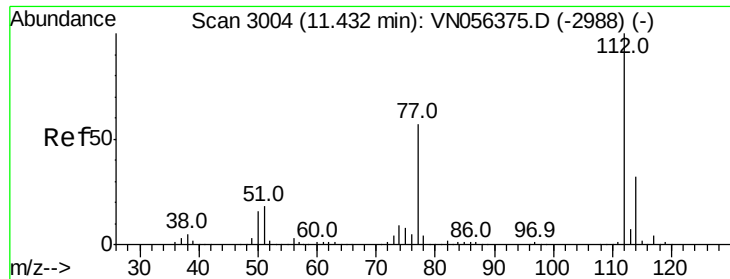
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





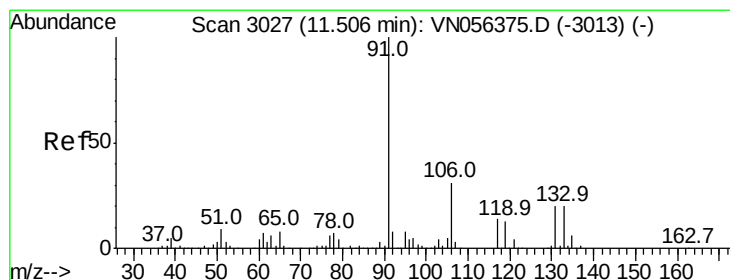
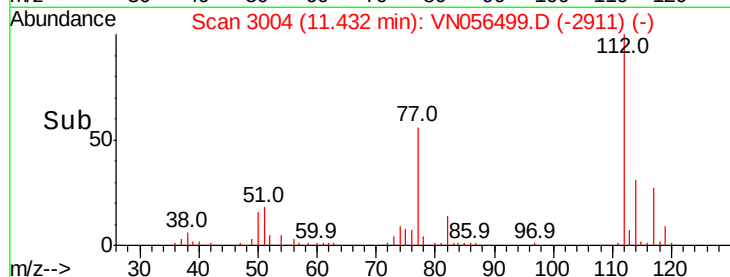
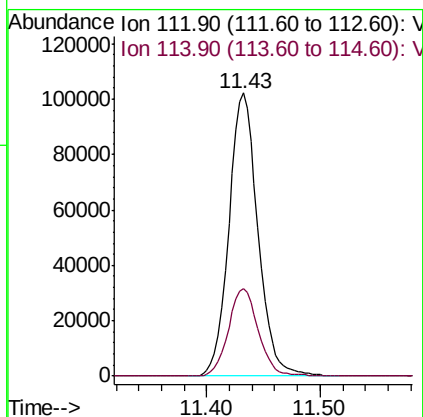
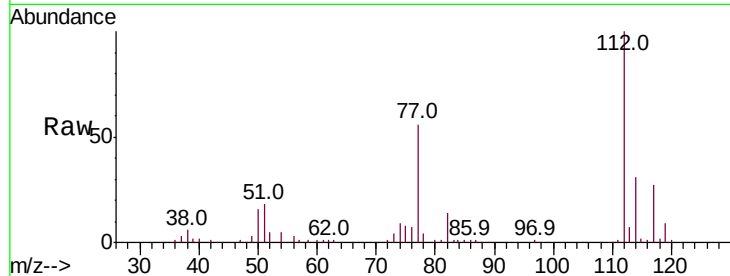
#65
Chlorobenzene
Concen: 19.806 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion:112 Resp: 182295
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2

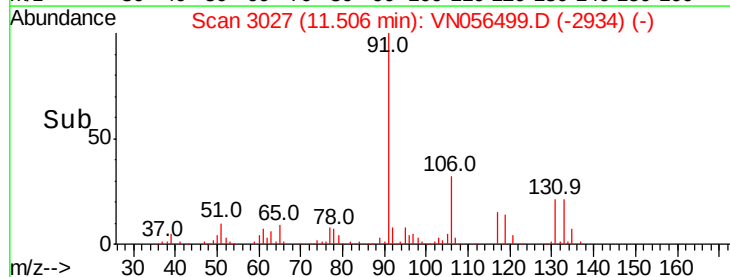
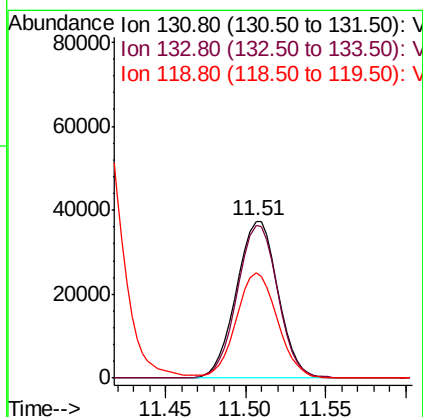
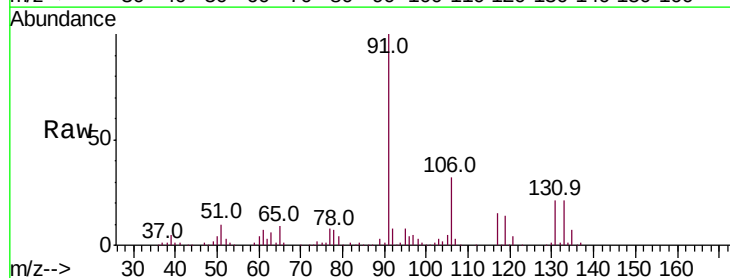
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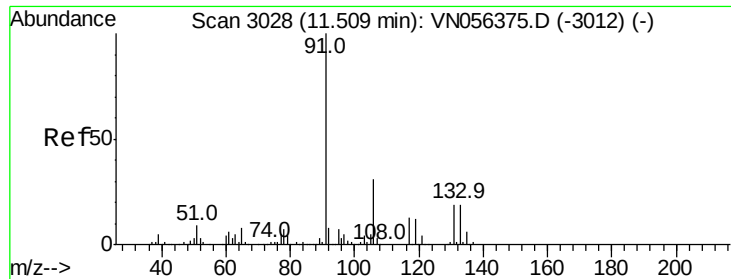
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.378 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion:131 Resp: 66501
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.2
119 66.2 32.8 98.4





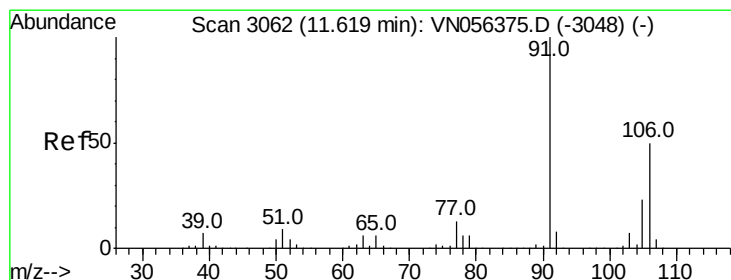
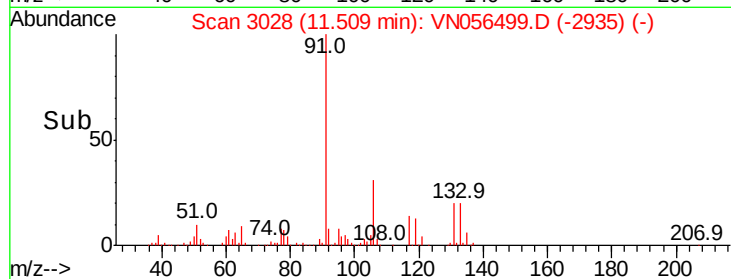
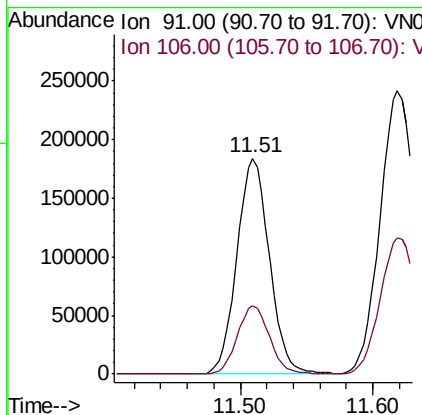
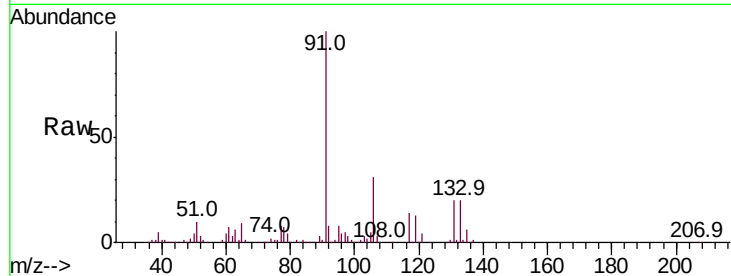
#67
Ethyl Benzene
Concen: 19.423 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0626WBS01

Tot Ion: 91 Resp: 313902
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

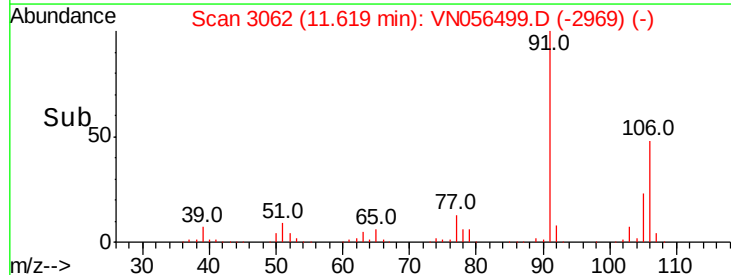
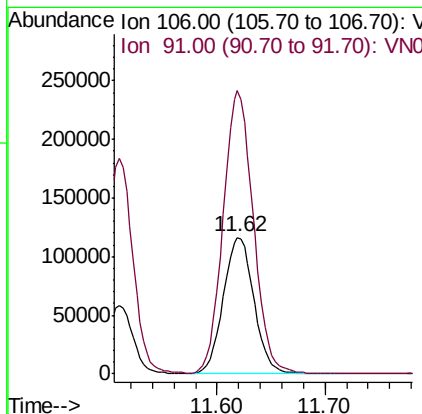
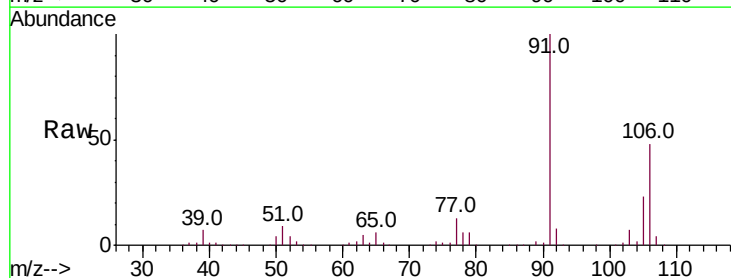
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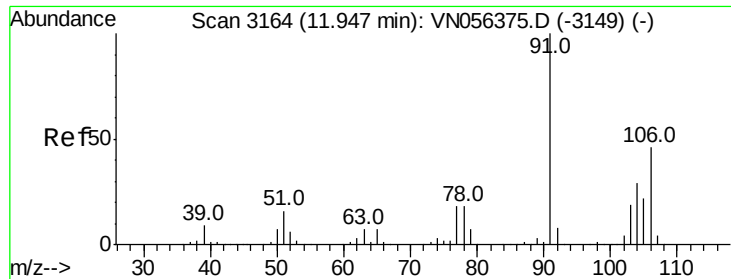
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#68
m/p-Xylenes
Concen: 38.896 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion: 106 Resp: 230368
Ion Ratio Lower Upper
106 100
91 203.5 160.1 240.1





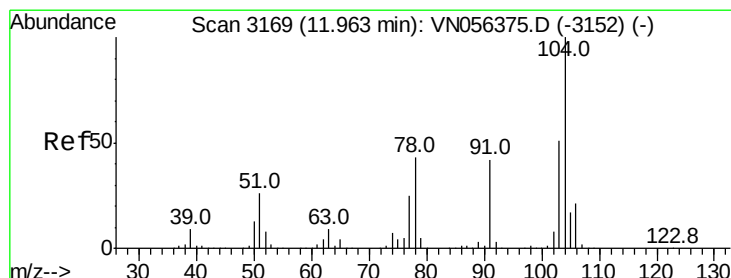
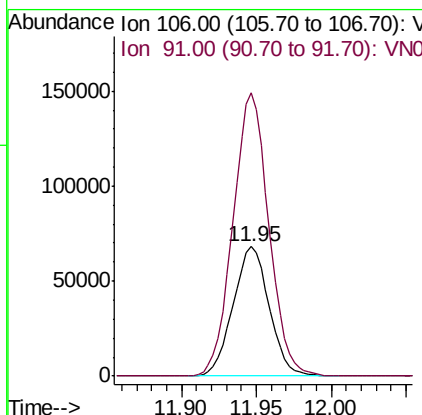
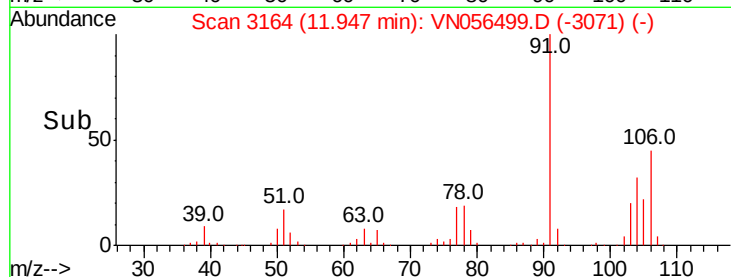
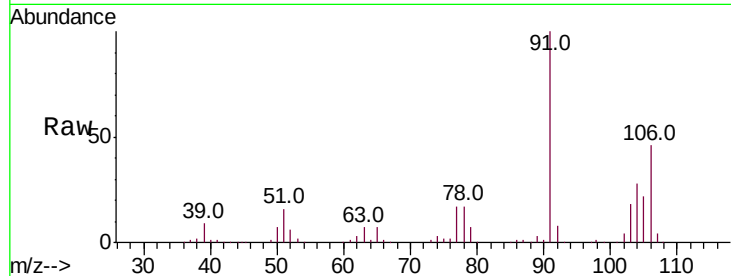
#69
o-Xylene
Concen: 19.575 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion:106 Resp: 114702
Ion Ratio Lower Upper
106 100
91 216.8 107.1 321.3

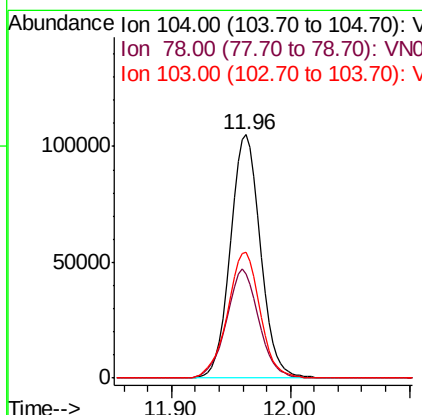
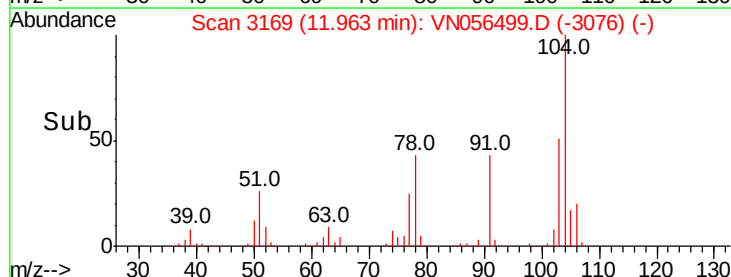
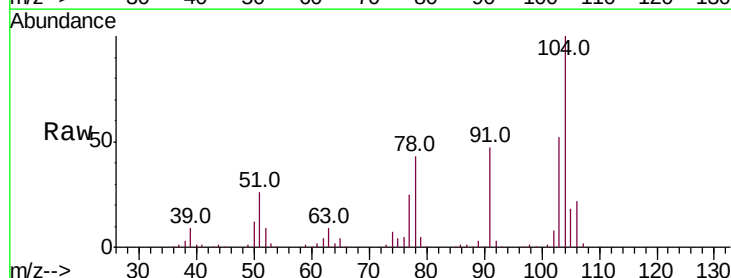
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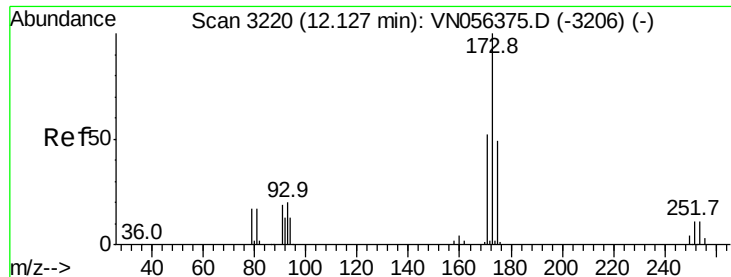
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#70
Styrene
Concen: 19.708 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion:104 Resp: 184583
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 55.8 43.9 65.9





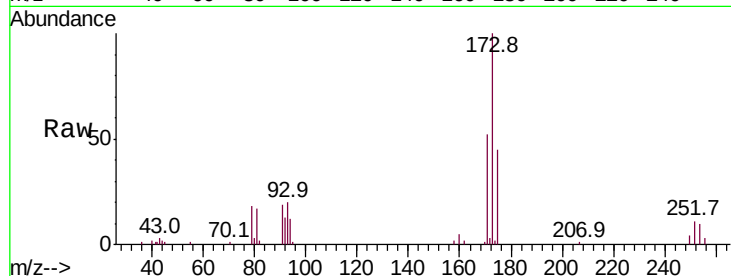
#71
Bromoform
Concen: 19.633 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

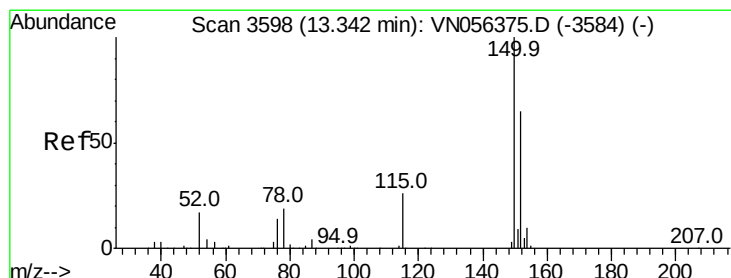
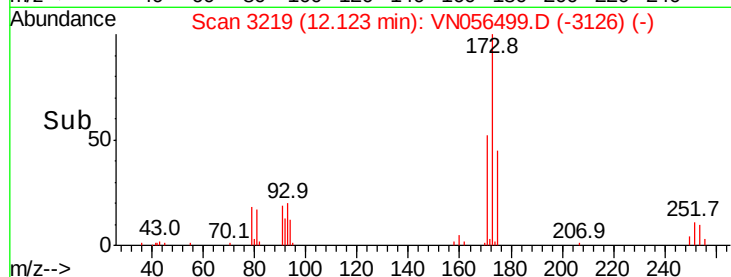
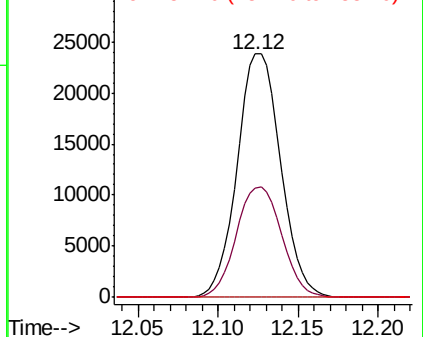
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.4	73.4
254	0.0	0.0	0.0

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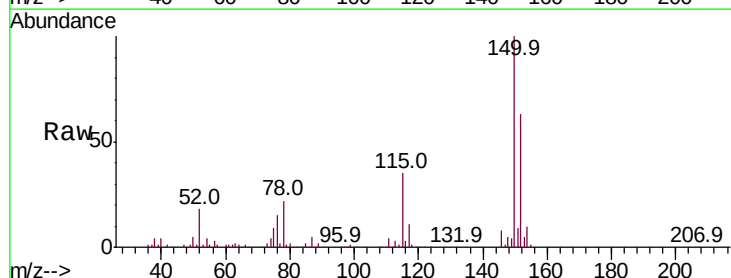


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

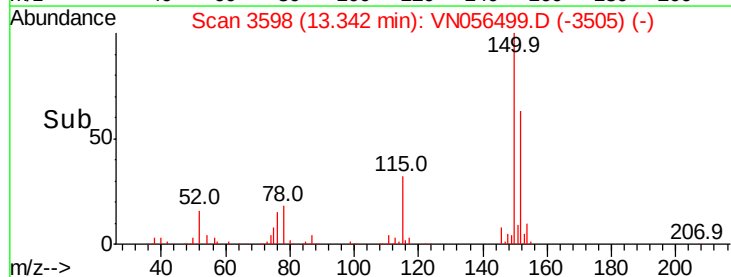
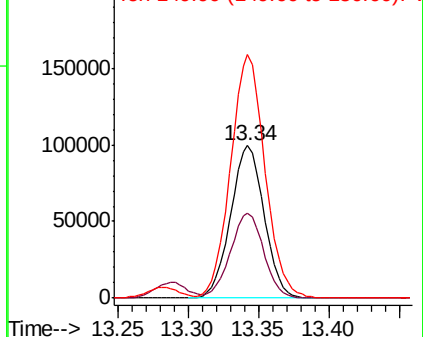


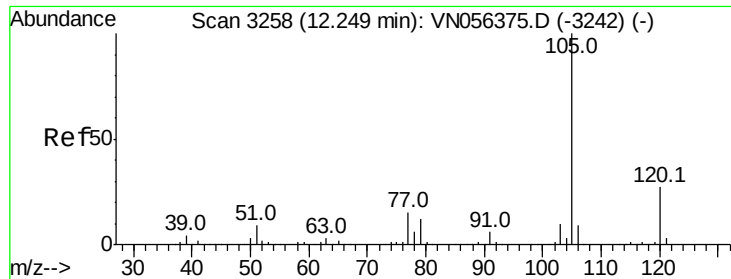
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.1	84.4
150	163.9	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: 23.496 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBS01

Tot Ion:105 Resp: 309681

Ion Ratio Lower Upper

105 100

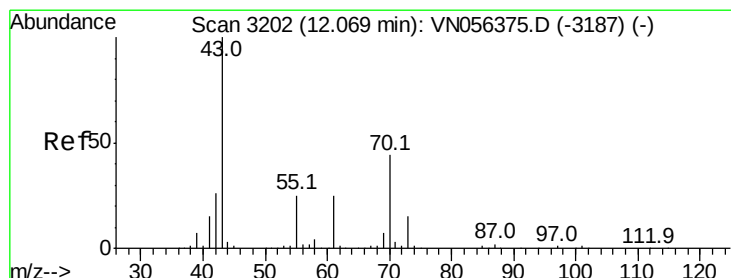
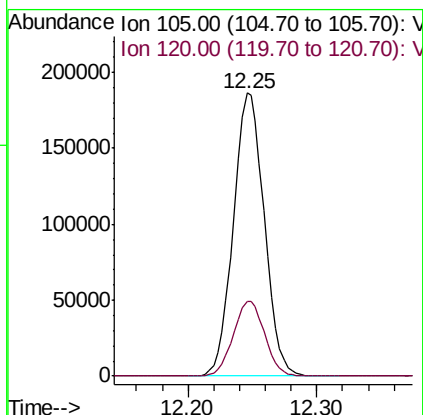
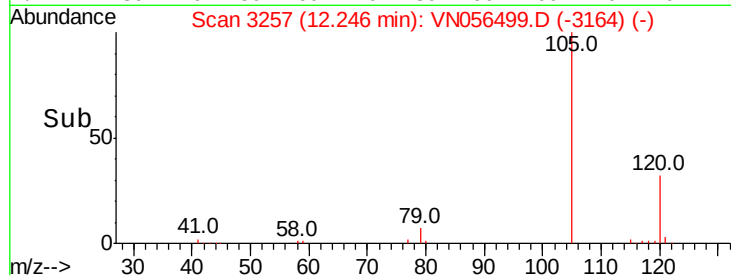
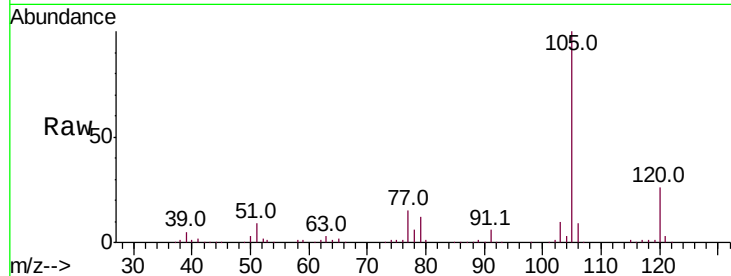
120 26.9 13.4 40.2

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#74

N-ethyl acetate

Concen: 21.262 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Tgt Ion: 43 Resp: 111954

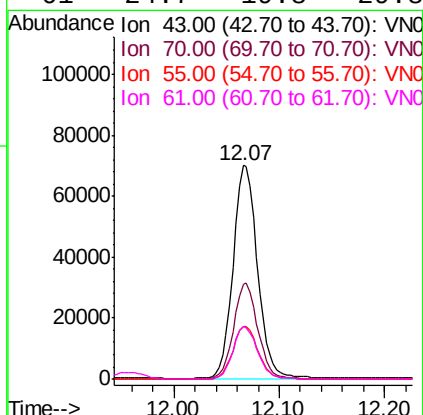
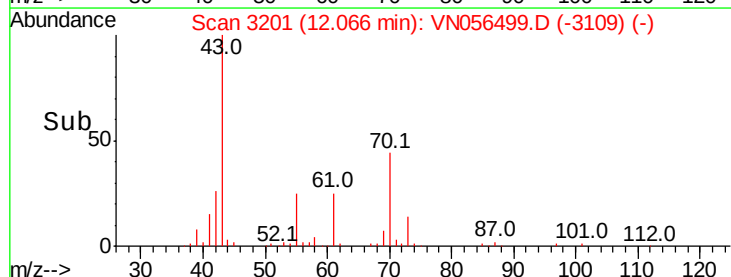
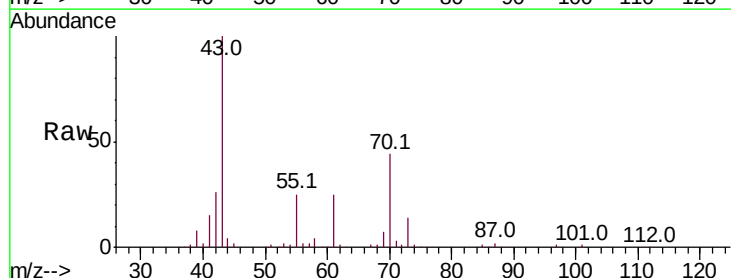
Ion Ratio Lower Upper

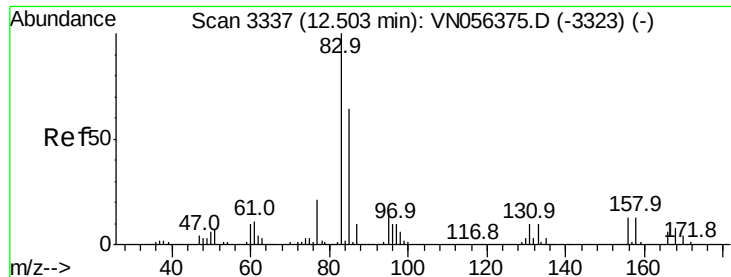
43 100

70 44.6 34.9 52.3

55 25.6 20.4 30.6

61 24.7 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 24.689 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

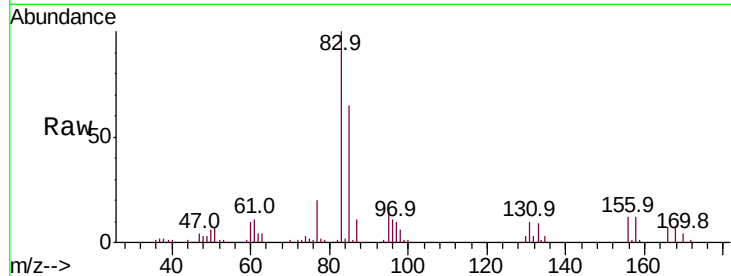
ClientSampleId :

VN0626WBS01

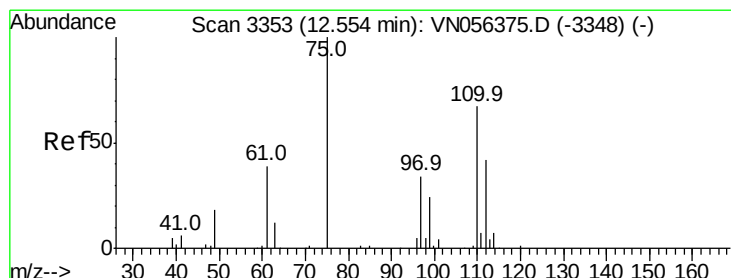
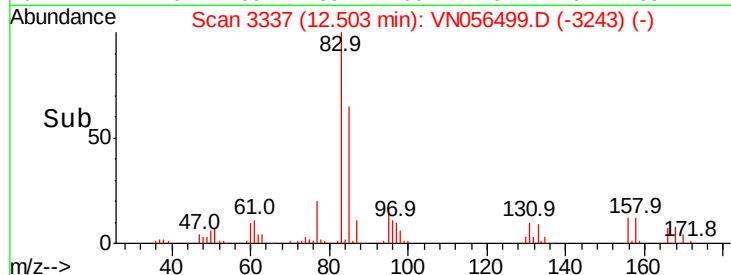
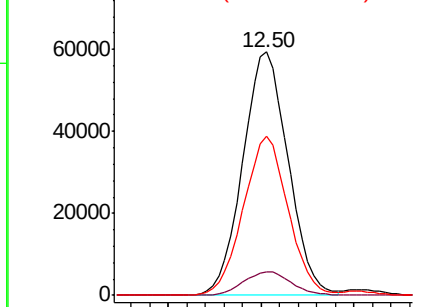
Tot Ion:	83	Resp:	100968
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	64.5	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN056499.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 24.947 ug/l m

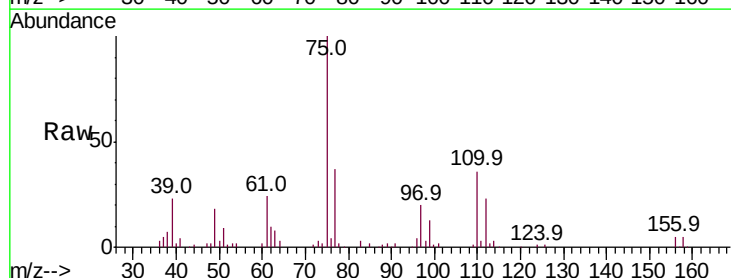
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

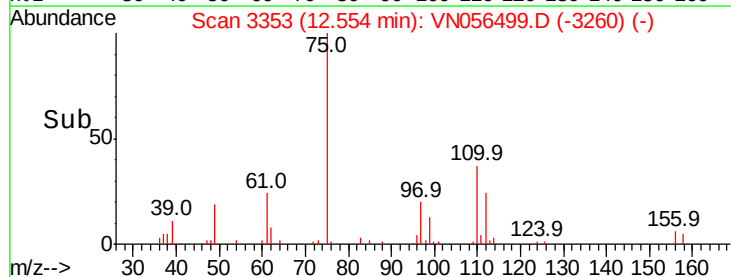
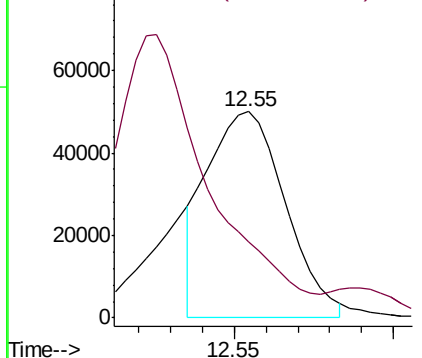
Lab File: VN056499.D

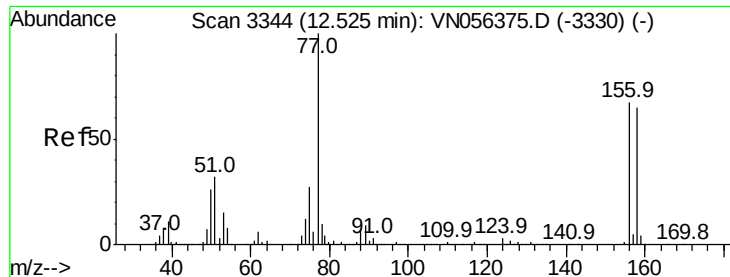
Acq: 26 Jun 2019 12:27

Tgt Ion:	75	Resp:	85581
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056499.D (-3260) (-)





#77

Bromobenzene

Concen: 21.084 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBS01

Tot Ion:156 Resp: 77999

Ion Ratio Lower Upper

156 100

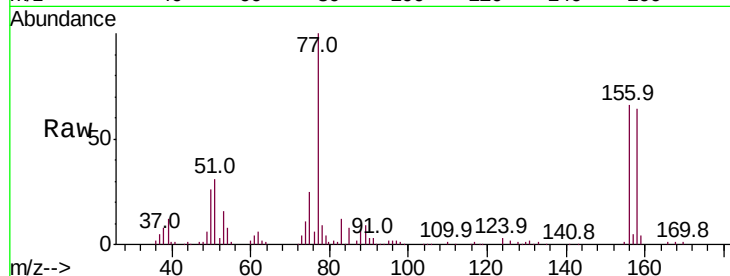
77 187.9 92.5 277.3

158 96.9 48.7 146.1

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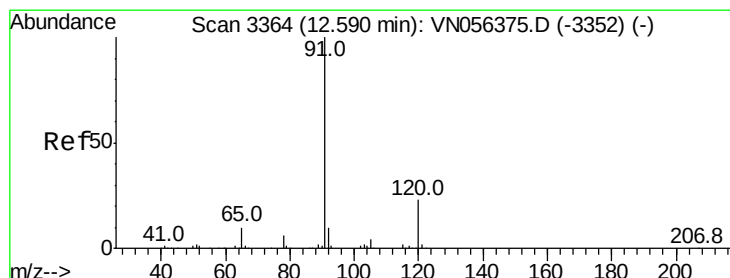
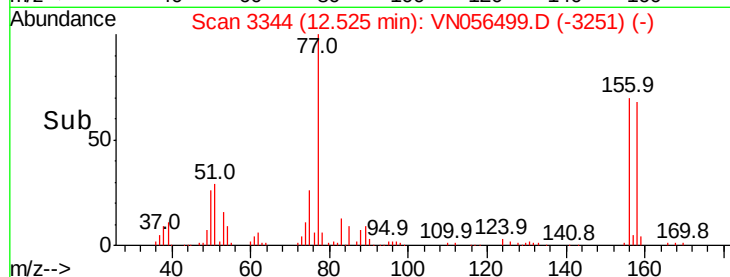
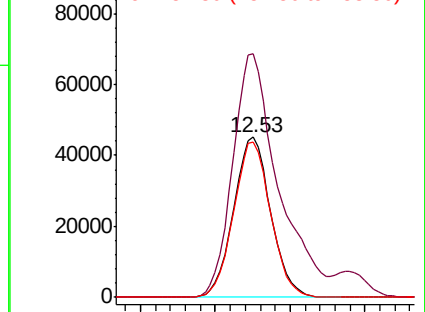
6/29/2019 7:22:50 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.373 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056499.D

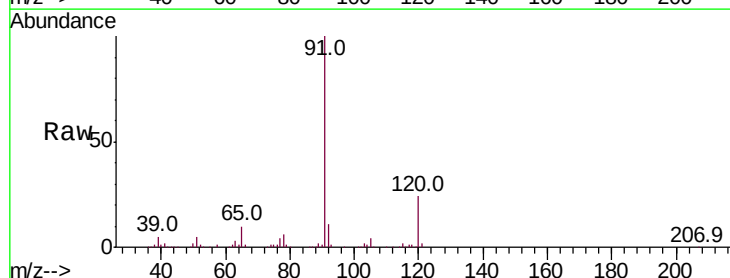
Acq: 26 Jun 2019 12:27

Tgt Ion: 91 Resp: 308670

Ion Ratio Lower Upper

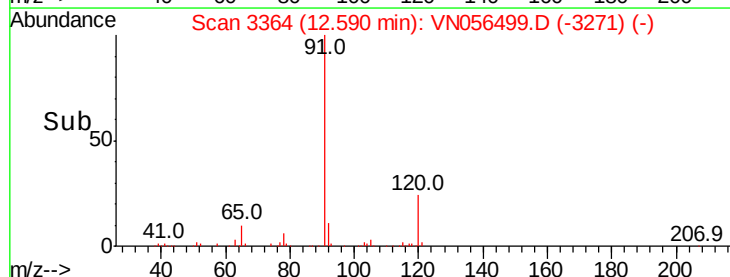
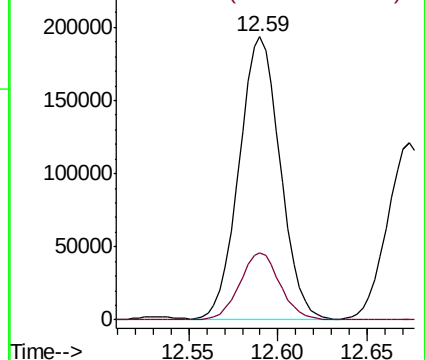
91 100

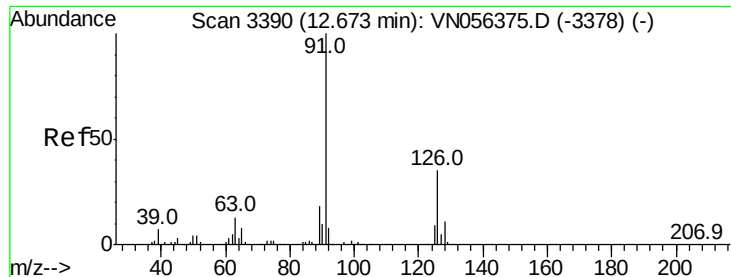
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.685 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0626WBS01

Tot Ion: 91 Resp: 199949

Ion Ratio Lower Upper

91 100

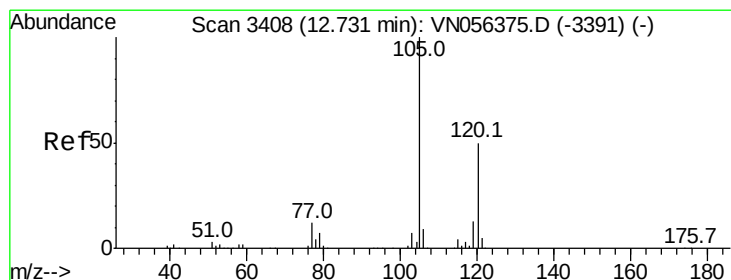
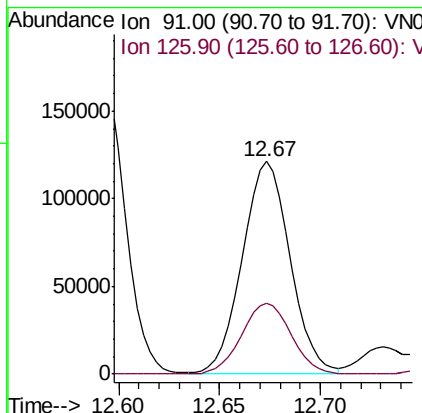
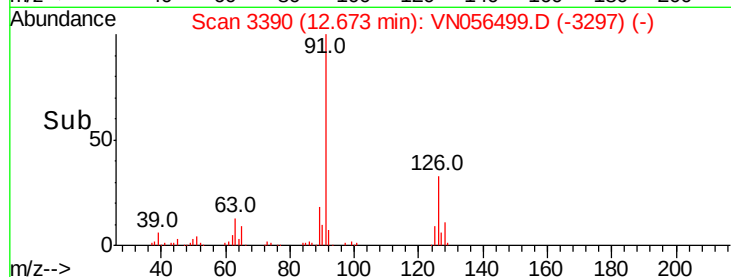
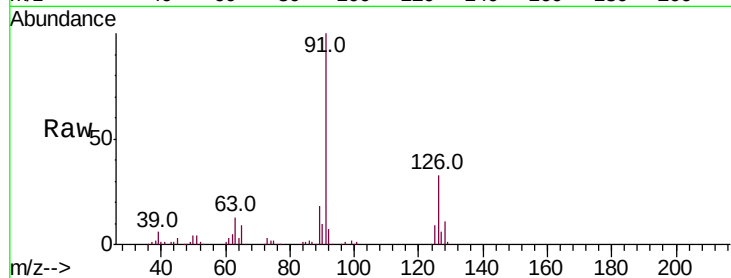
126 35.0 17.6 52.8

Manual Integrations

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6/29/2019 7:22:50 AM



#80

1,3,5-Trimethylbenzene

Concen: 22.403 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056499.D

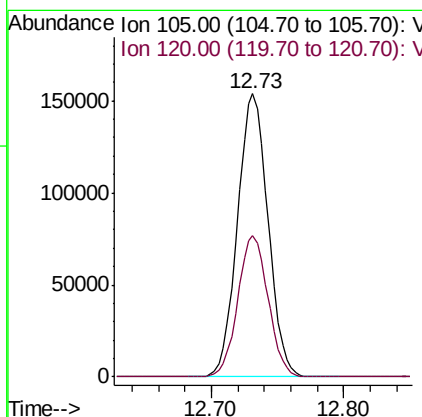
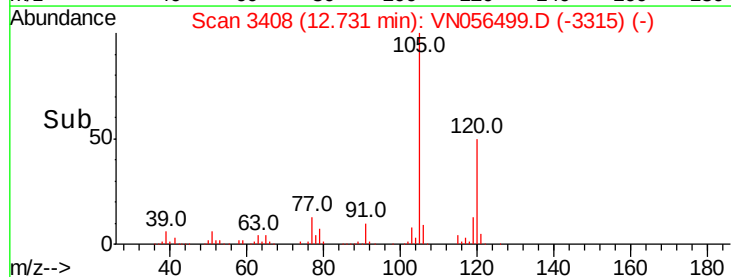
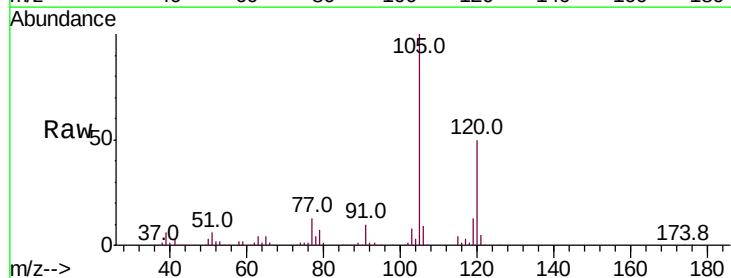
Acq: 26 Jun 2019 12:27

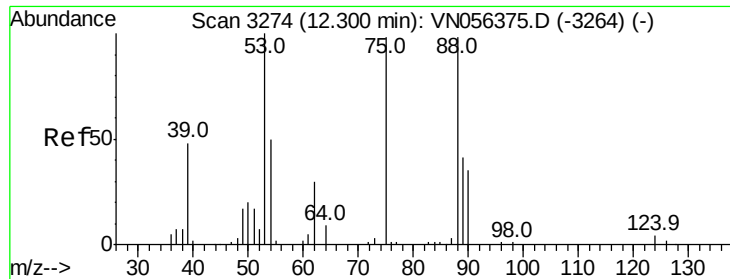
Tgt Ion: 105 Resp: 246253

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4





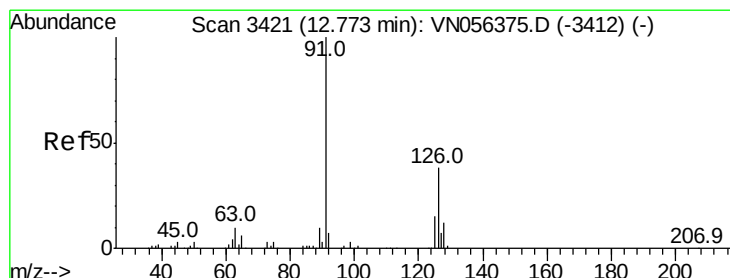
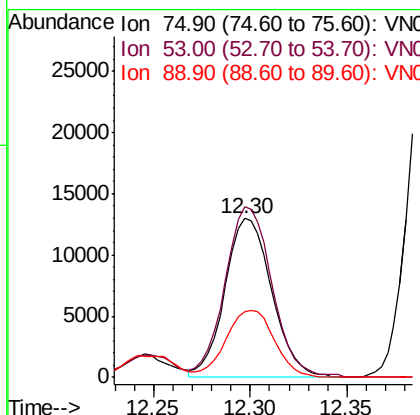
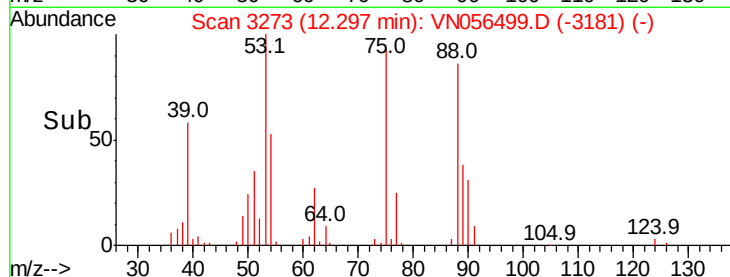
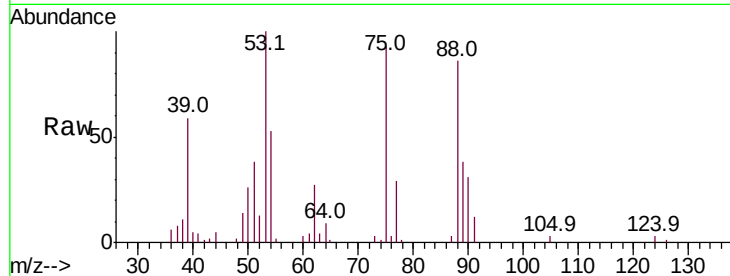
#81
trans-1,4-Dichloro-2-butene
Concen: 22.723 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0626WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.9	83.9	125.9
89	43.6	35.0	52.6

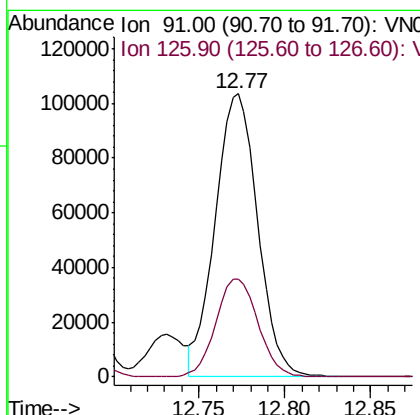
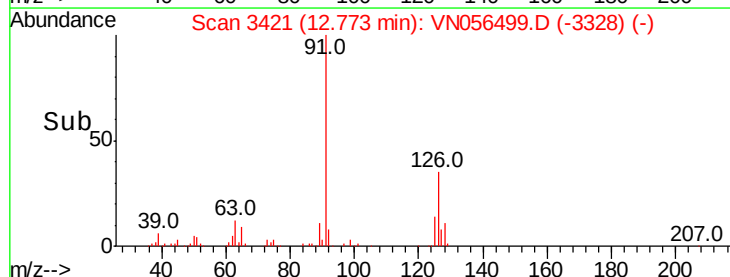
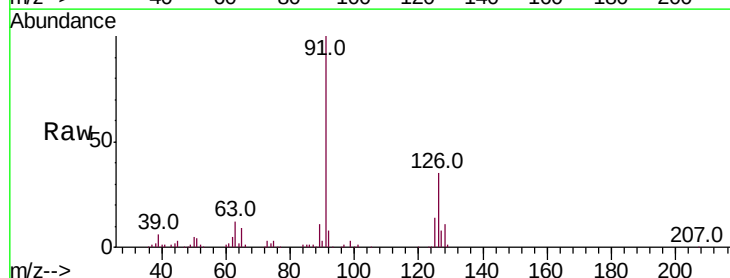
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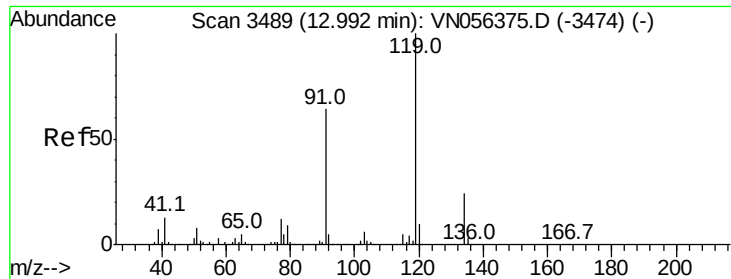
MMDadoda
6/29/2019 7:22:50 AM



#82
4-Chlorotoluene
Concen: 19.776 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	52.0





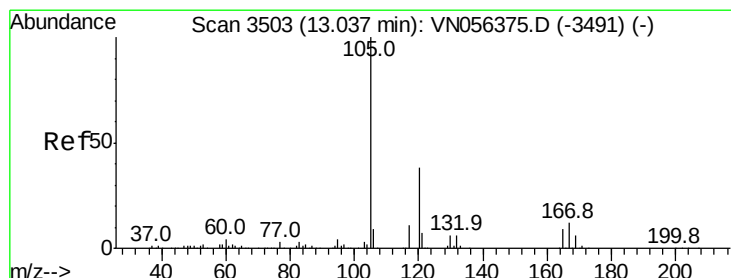
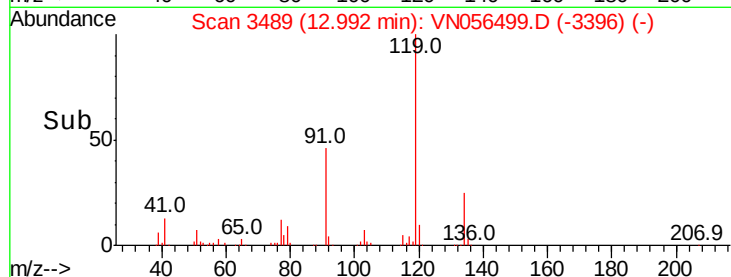
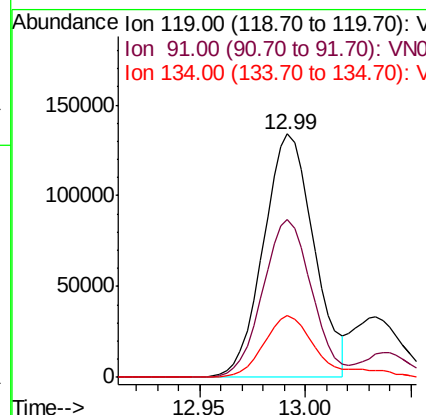
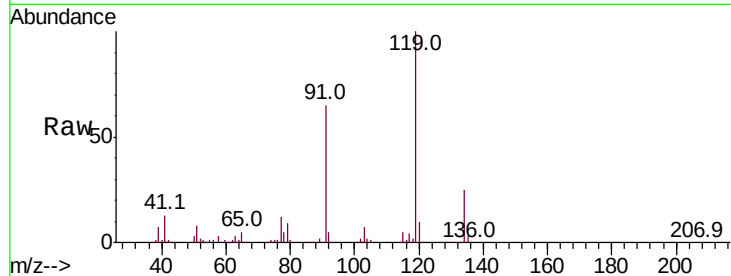
#83
tert-Butylbenzene
Concen: 23.127 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.6	94.7
134	27.2	13.2	39.5

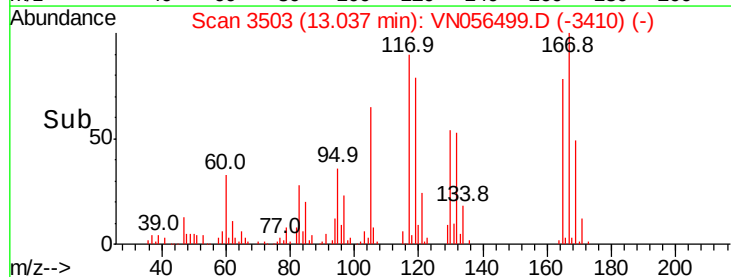
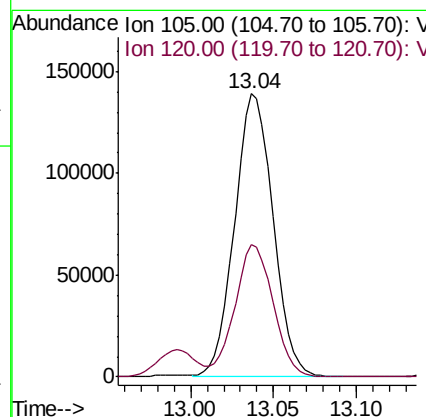
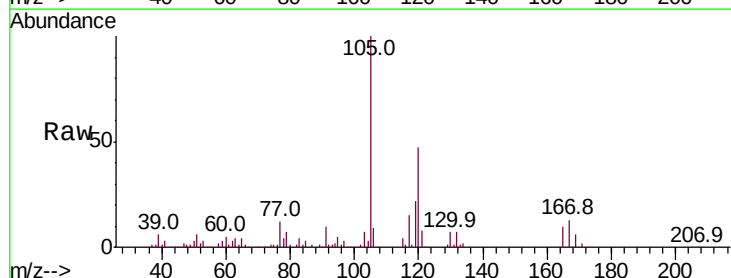
Manual Integrations
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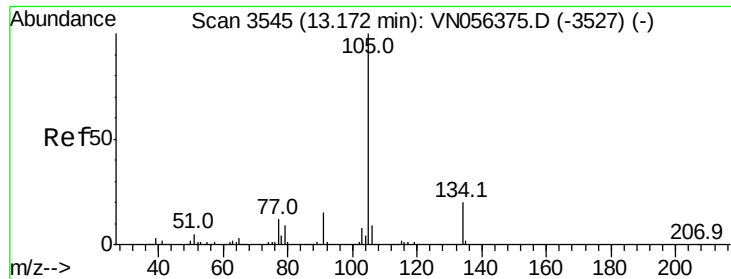
MMDadoda
6/29/2019 7:22:50 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.096 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.892 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0626WBS01

Tot Ion:105 Resp: 278221

Ion Ratio Lower Upper

105 100

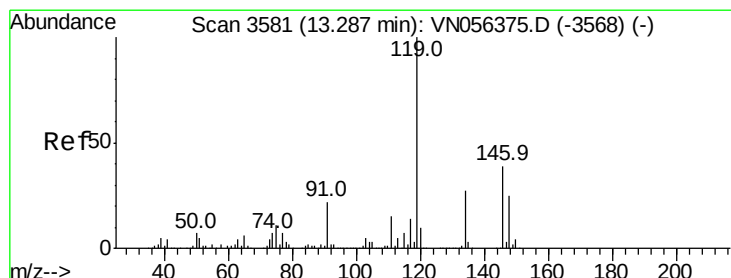
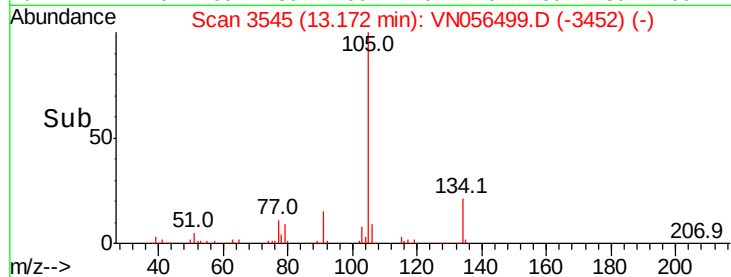
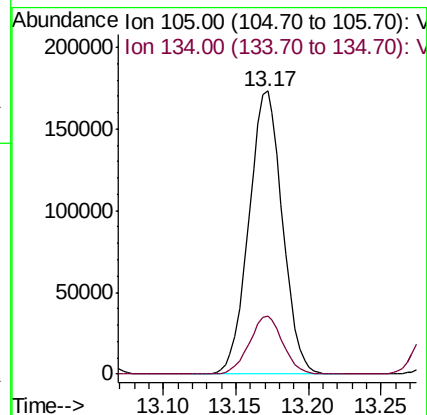
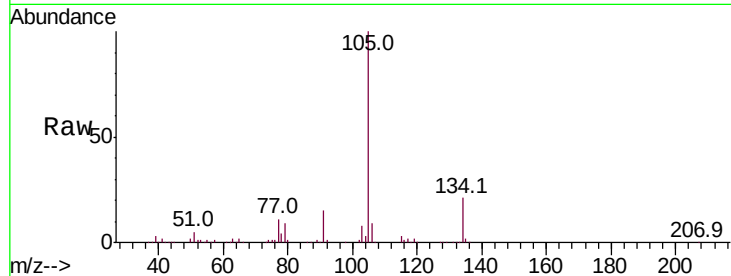
134 20.5 10.2 30.4

Manual Integrations

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6/29/2019 7:22:50 AM



#86

p-Isopropyltoluene

Concen: 19.835 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

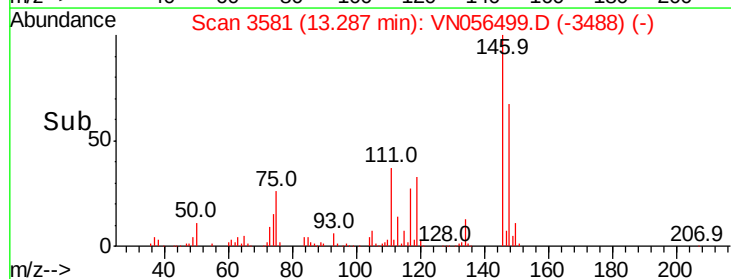
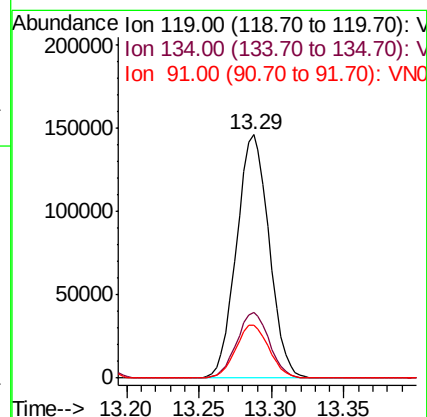
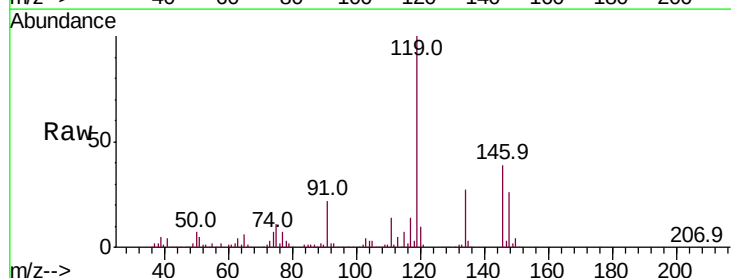
Tgt Ion:119 Resp: 226689

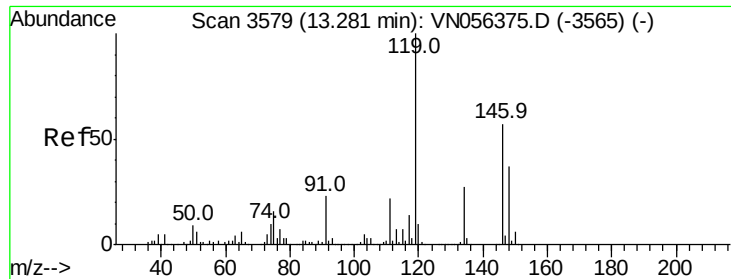
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 22.4 11.2 33.5





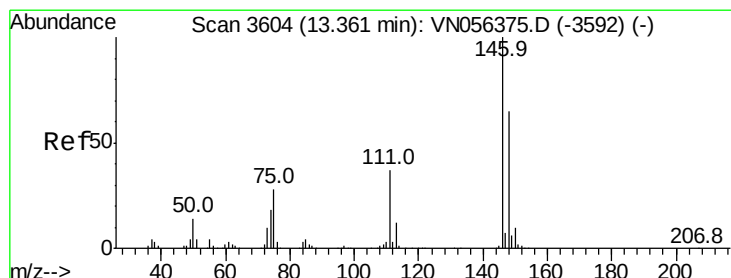
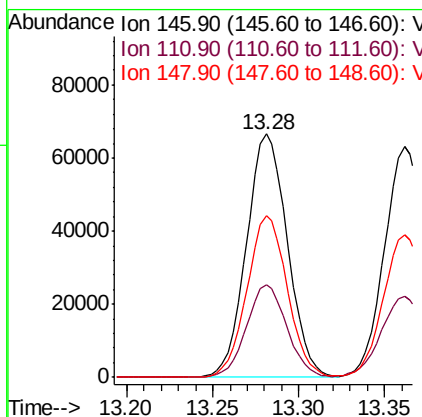
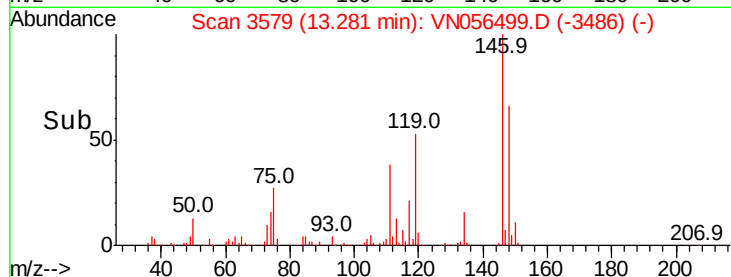
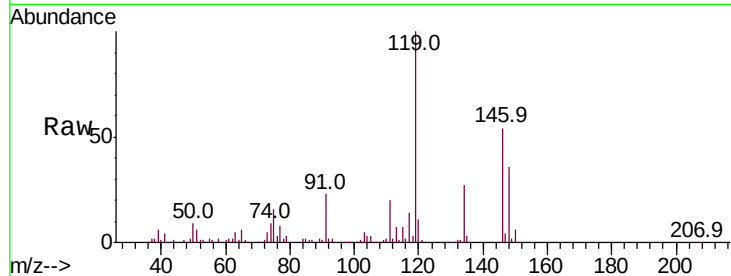
#87
 1,3-Dichlorobenzene
 Concen: 19.646 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	110139		
111	37.3	18.9	56.9	
148	65.6	32.1	96.5	

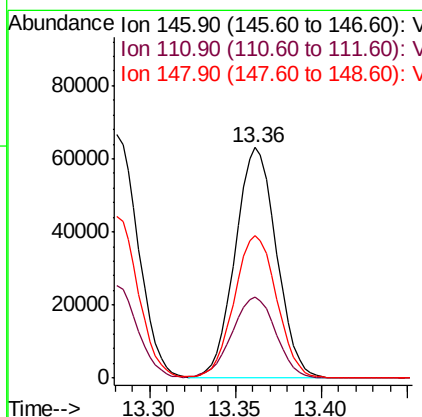
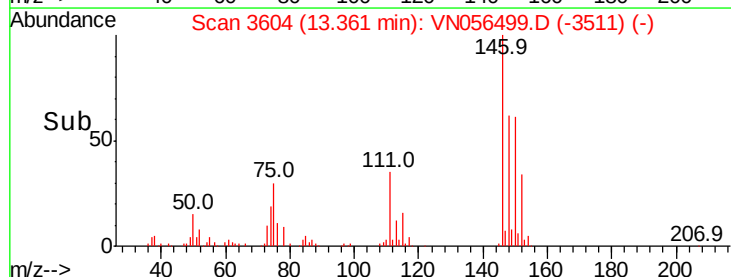
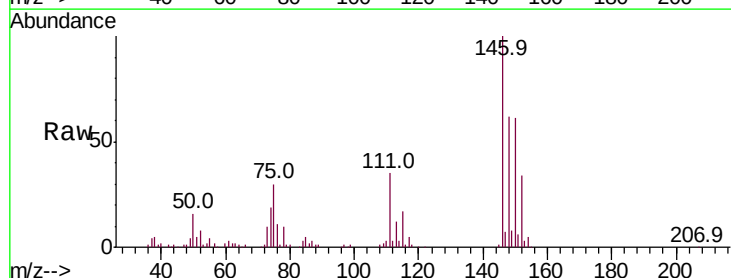
Manual Integrations
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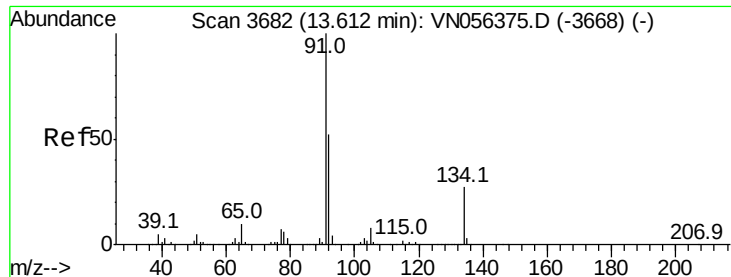
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 6/29/2019 7:22:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.392 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105290		
111	37.5	18.4	55.4	
148	63.7	32.4	97.0	





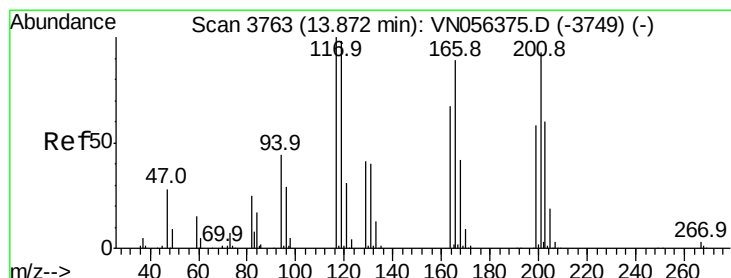
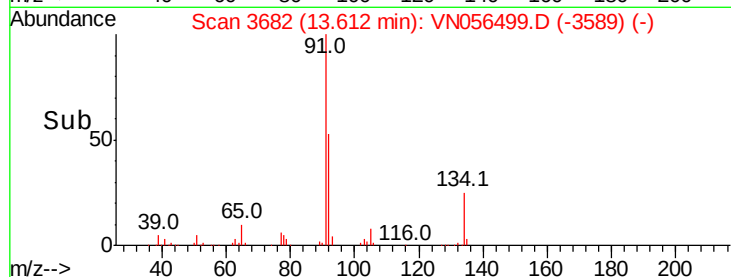
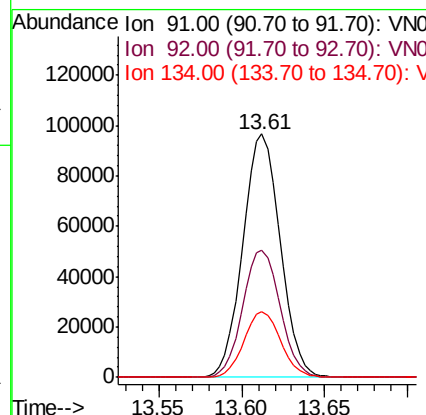
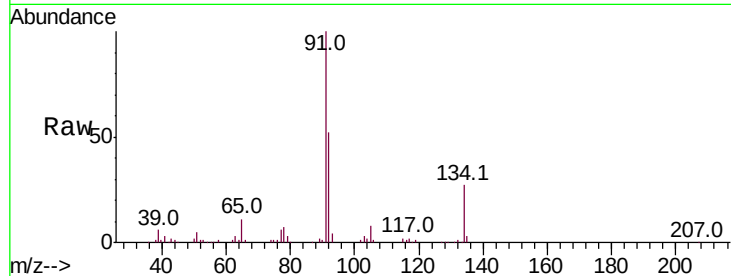
#89
n-Butylbenzene
Concen: 17.557 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Instrument :
MSVOA_N
ClientSampleId :
VN0626WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	26.5	13.4	40.2

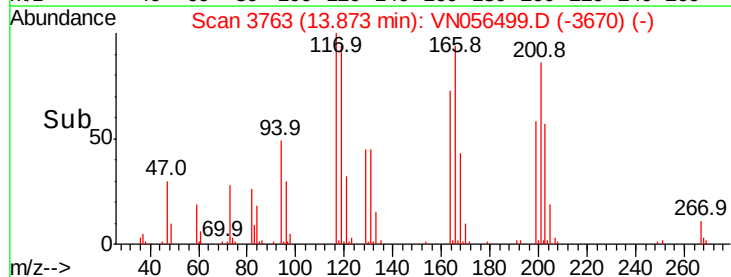
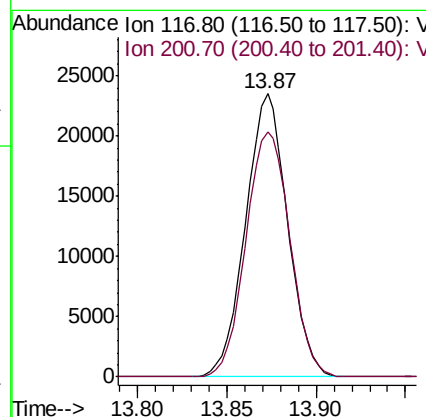
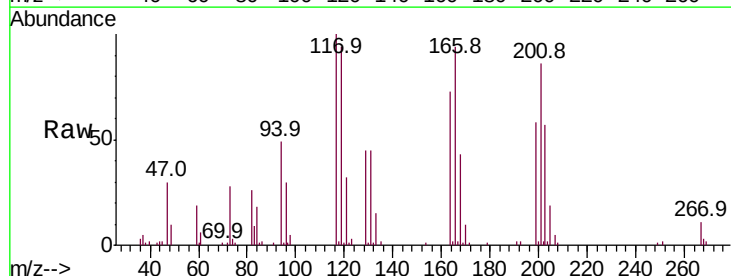
Manual Integrations
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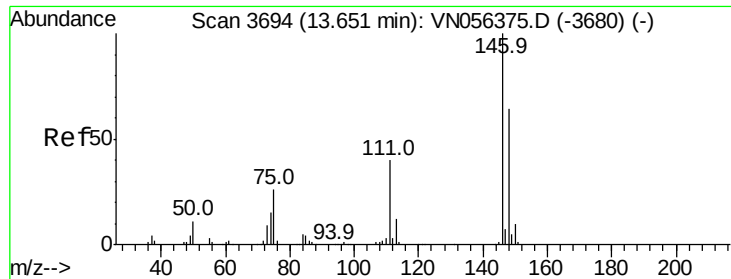
MMDadoda
6/29/2019 7:22:50 AM



#90
Hexachloroethane
Concen: 21.763 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056499.D
Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	45.9	137.6





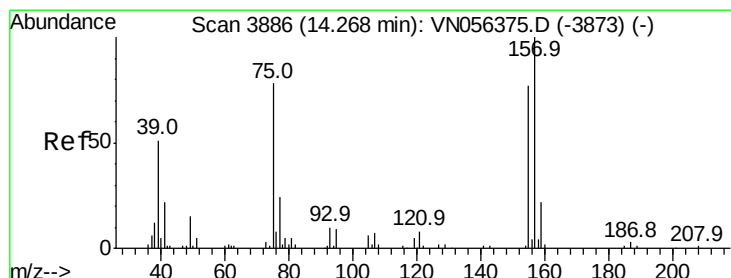
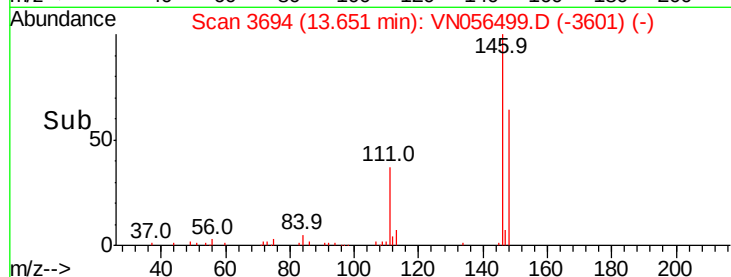
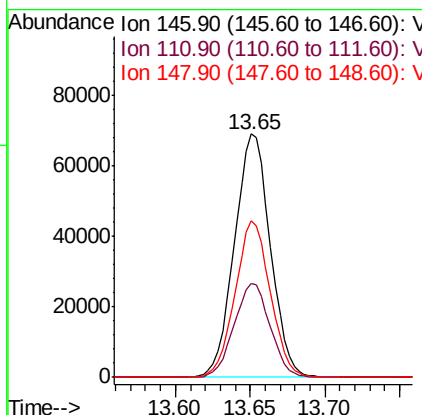
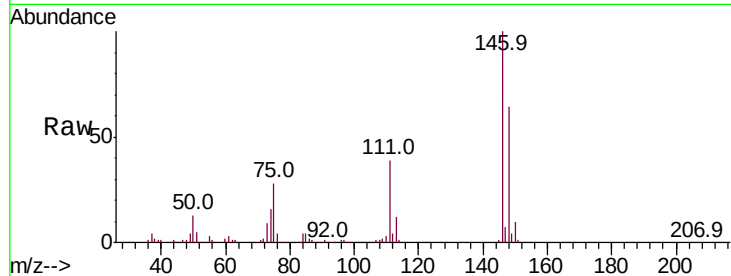
#91
 1,2-Dichlorobenzene
 Concen: 20.694 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	63.0	32.0	96.0

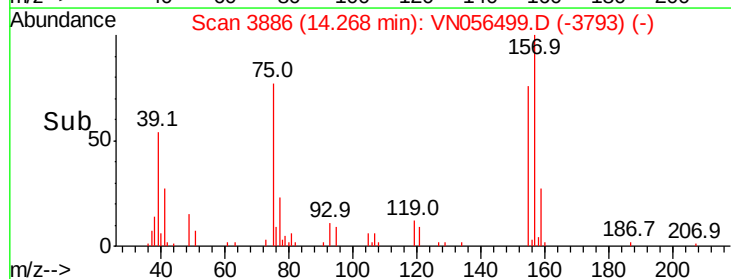
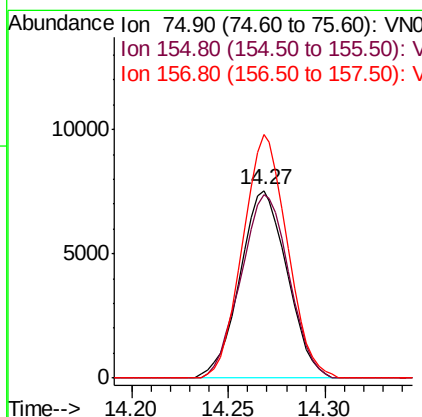
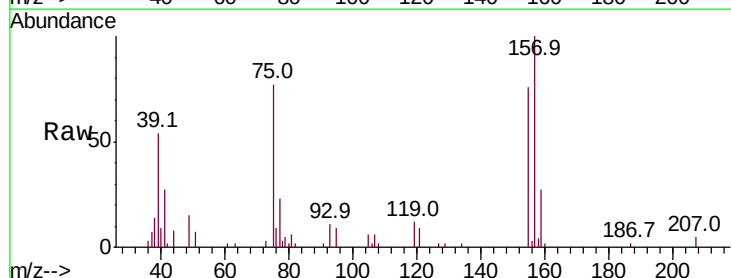
Manual Integrations
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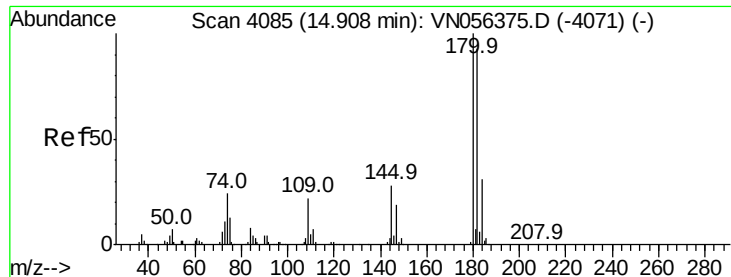
MMDadoda
 6/29/2019 7:22:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.911 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	48.9	146.8
157	122.9	62.9	188.8





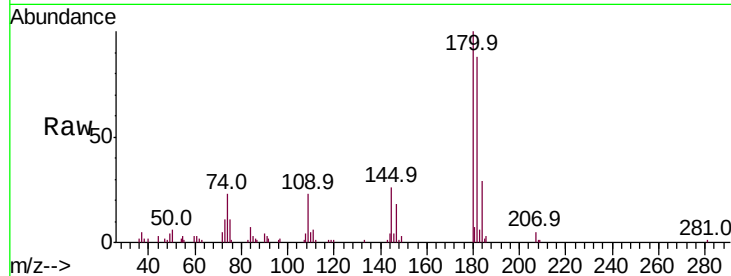
#93
 1,2,4-Trichlorobenzene
 Concen: 15.805 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626WBS01

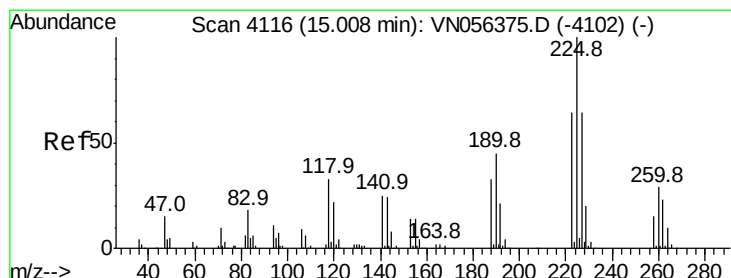
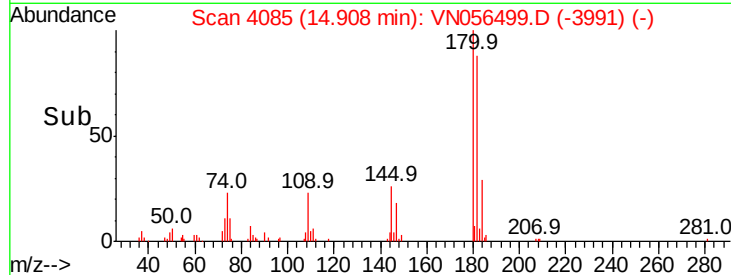
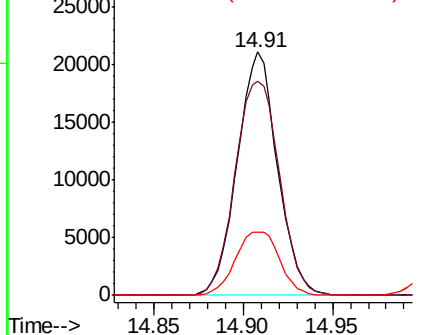
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.1	46.9	140.6	
145	28.7	14.4	43.0	

Manual Integrations
 APPROVED

MMDadoda
 6/29/2019 7:22:50 AM

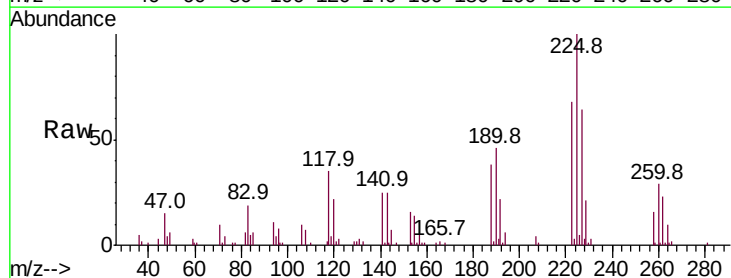


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

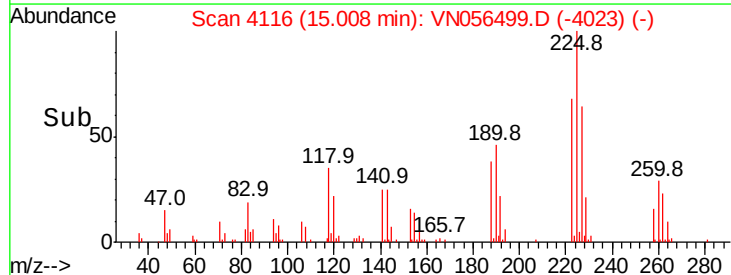
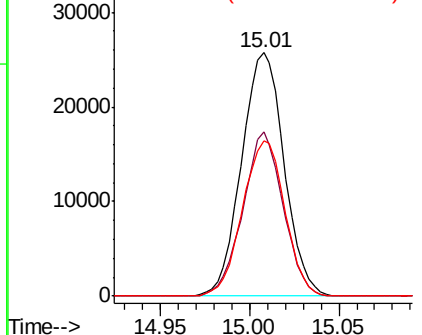


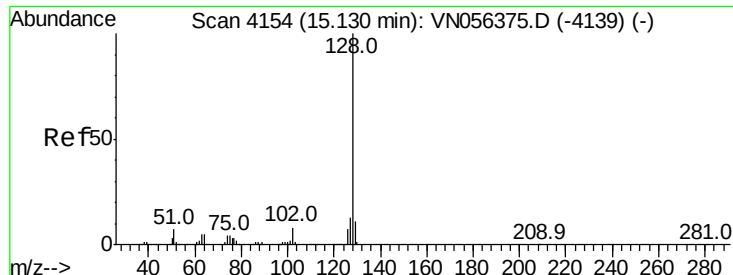
#94
 Hexachlorobutadiene
 Concen: 21.647 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056499.D
 Acq: 26 Jun 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	31.4	94.3	
227	63.5	32.1	96.3	



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





#95

Naphthalene

Concen: 16.375 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Instrument :

MSVOA_N

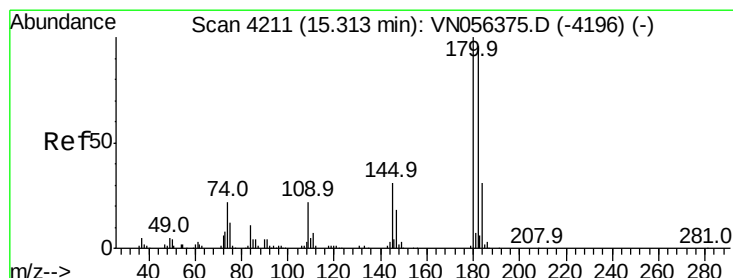
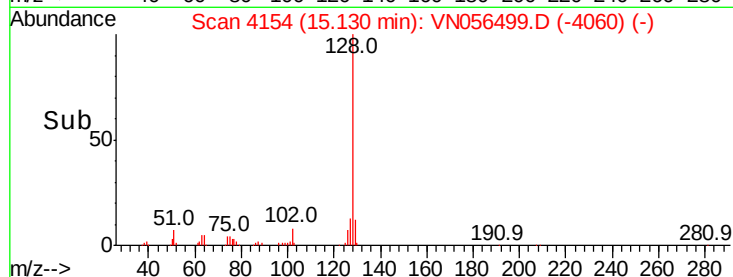
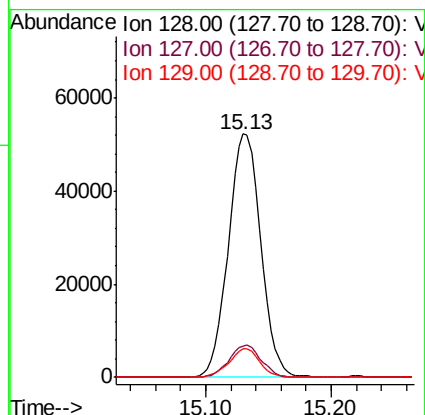
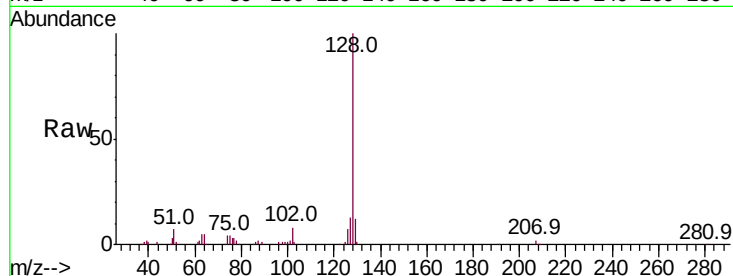
ClientSampleId :

VN0626WBS01

Tot Ion:	128	Resp:	94137
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/29/2019 7:22:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.700 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056499.D

Acq: 26 Jun 2019 12:27

Tgt Ion:	180	Resp:	40283
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.3	144.8
145	30.0	15.4	46.1

