

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055629.D
 Acq On : 17 May 2019 22:40
 Operator : JC/SP
 Sample : VN0517MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:09:10 AM

Quant Time: May 18 04:17:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	325489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	502059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	179233	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
35) Dibromofluoromethane	7.59	113	160306	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.09	98	591948	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
62) 4-Bromofluorobenzene	12.40	95	203058	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	45333	18.102	ug/l	95
3) Chloromethane	2.06	50	62738	18.782	ug/l	98
4) Vinyl Chloride	2.18	62	68424	18.917	ug/l	97
5) Bromomethane	2.57	94	47869	20.766	ug/l	100
6) Chloroethane	2.71	64	40064	19.949	ug/l	97
7) Trichlorofluoromethane	3.03	101	90045	19.426	ug/l	100
8) Diethyl Ether	3.41	74	37567	20.175	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	52417	18.549	ug/l	99
10) Methyl Iodide	3.96	142	72243	17.733	ug/l	99
11) Tert butyl alcohol	4.77	59	71759	107.848	ug/l	96
12) 1,1-Dichloroethene	3.74	96	58083	19.540	ug/l	98
13) Acrolein	3.61	56	32624	96.961	ug/l	93
14) Allyl chloride	4.33	41	92291	19.232	ug/l	99
15) Acrylonitrile	4.99	53	152809	103.226	ug/l	100
16) Acetone	3.82	43	123800	85.022	ug/l	98
17) Carbon Disulfide	4.06	76	154074	18.645	ug/l	99
18) Methyl Acetate	4.32	43	63646	20.389	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	195858	19.917	ug/l	99
20) Methylene Chloride	4.56	84	63462	19.098	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	62318	19.680	ug/l	98
22) Diisopropyl ether	5.95	45	184779	19.432	ug/l	98
23) Vinyl Acetate	5.90	43	790542	97.977	ug/l	99
24) 1,1-Dichloroethane	5.85	63	111355	19.972	ug/l	98
25) 2-Butanone	6.83	43	203753	100.079	ug/l	99
26) 2,2-Dichloropropane	6.83	77	69579	14.061	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	72597	19.688	ug/l	95
28) Bromochloromethane	7.20	49	47564	19.609	ug/l	96
29) Tetrahydrofuran	7.21	42	138522	102.699	ug/l	99
30) Chloroform	7.37	83	113315	19.799	ug/l	97
31) Cyclohexane	7.66	56	100383	18.970	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	100731	19.623	ug/l	98
36) 1,1-Dichloropropene	7.80	75	84077	18.783	ug/l	100
37) Ethyl Acetate	6.93	43	85041	21.054	ug/l	99
38) Carbon Tetrachloride	7.78	117	87791	18.354	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	94311	17.478	ug/l	98
40) Benzene	8.05	78	255347	19.395	ug/l	100
41) Methacrylonitrile	7.18	41	34449m	19.948	ug/l	
42) 1,2-Dichloroethane	8.13	62	85304	20.009	ug/l	100
43) Isopropyl Acetate	8.17	43	140183	19.952	ug/l	99
44) Trichloroethene	8.84	130	72499	19.515	ug/l	98
45) 1,2-Dichloropropane	9.12	63	68035	19.616	ug/l	98
46) Dibromomethane	9.21	93	44221	19.480	ug/l	98
47) Bromodichloromethane	9.40	83	89995	18.916	ug/l	99
48) Methyl methacrylate	9.20	41	61486	19.579	ug/l	96
49) 1,4-Dioxane	9.20	88	26629	426.726	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	409059	99.252	ug/l	99
52) Toluene	10.16	92	158763	19.226	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	94151	18.387	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	105097	18.735	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	65929	19.393	ug/l	99
56) Ethyl methacrylate	10.43	69	101001	19.032	ug/l	98
57) 1,3-Dichloropropane	10.71	76	105084	19.517	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	220630	97.845	ug/l	99
59) 2-Hexanone	10.75	43	283622	97.744	ug/l	99
60) Dibromochloromethane	10.90	129	74966	19.457	ug/l	100
61) 1,2-Dibromoethane	11.01	107	67295	19.784	ug/l	98
64) Tetrachloroethene	10.63	164	69214	20.173	ug/l	98
65) Chlorobenzene	11.44	112	170929	19.427	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	67579	19.093	ug/l	99
67) Ethyl Benzene	11.51	91	298168	19.024	ug/l	99
68) m/p-Xylenes	11.62	106	226071	38.195	ug/l	99
69) o-Xylene	11.95	106	109485	18.912	ug/l	100
70) Styrene	11.97	104	186285	19.353	ug/l	100
71) Bromoform	12.13	173	57929	19.312	ug/l #	100
73) Isopropylbenzene	12.25	105	292237	19.512	ug/l	100
74) N-amyl acetate	12.07	43	103590	18.587	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	90561	19.597	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	76939m	18.997	ug/l	
77) Bromobenzene	12.53	156	145400	35.670	ug/l	43
78) n-propylbenzene	12.59	91	318980	18.097	ug/l	100
79) 2-Chlorotoluene	12.67	91	190394	19.146	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	242850	19.150	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	26331	16.712	ug/l	99
82) 4-Chlorotoluene	12.77	91	189035	18.202	ug/l	100
83) tert-Butylbenzene	12.99	119	211367	19.227	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	241202	19.228	ug/l	100
85) sec-Butylbenzene	13.17	105	270497	19.062	ug/l	100
86) p-Isopropyltoluene	13.29	119	244418	18.690	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	126871	18.824	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	122868	19.093	ug/l	99
89) n-Butylbenzene	13.62	91	199122	18.282	ug/l	100
90) Hexachloroethane	13.87	117	48430	19.186	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	127379	18.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18024	20.010	ug/l	95

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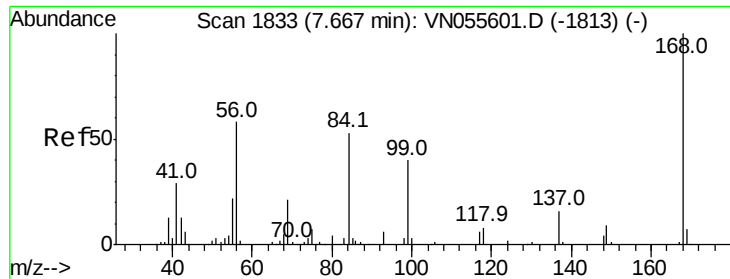
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71569	20.927	ug/l	99
94) Hexachlorobutadiene	15.01	225	40849	17.920	ug/l	100
95) Naphthalene	15.13	128	206768	21.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	73404	20.528	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion:168 Resp: 325489

Ion Ratio Lower Upper

168 100

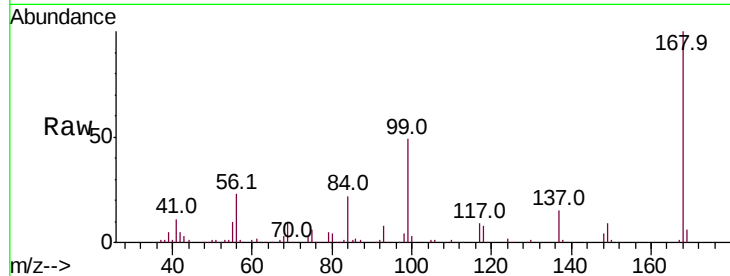
99 48.8 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN055601.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055601.D (-1813) (-)

7.67

150000

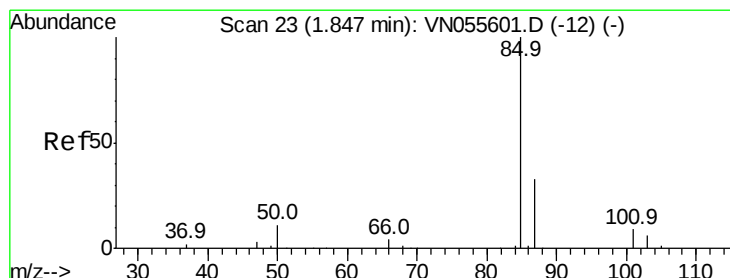
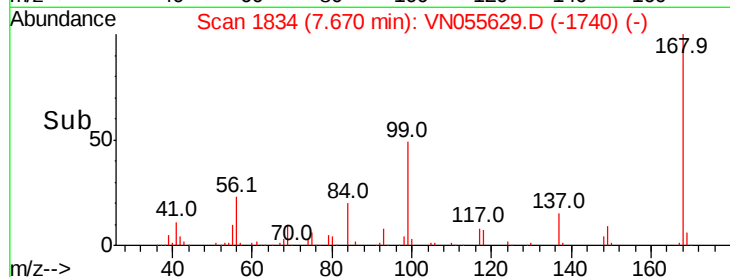
100000

50000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 18.102 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055629.D

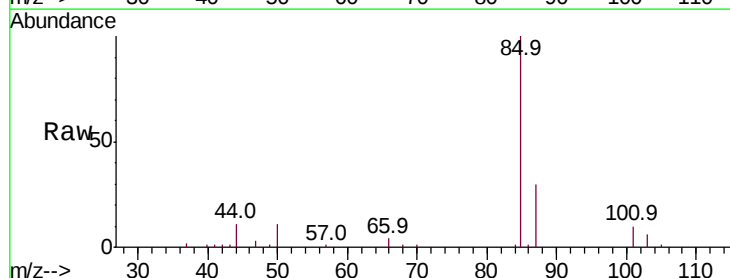
Acq: 17 May 2019 22:40

Tgt Ion: 85 Resp: 45333

Ion Ratio Lower Upper

85 100

87 30.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN055601.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN055601.D (-12) (-)

1.85

30000

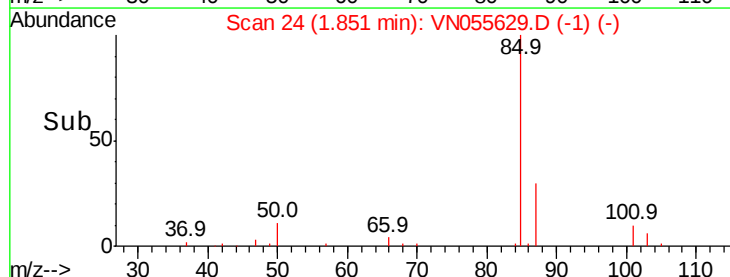
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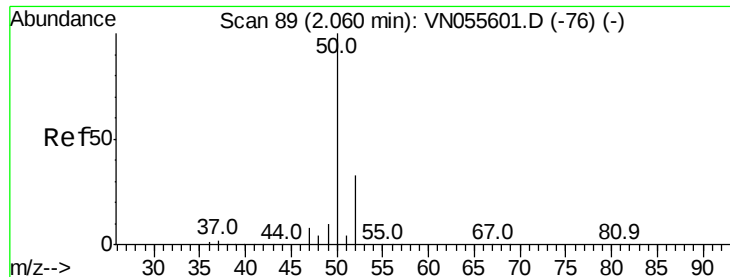
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Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.782 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion: 50 Resp: 62738

Ion Ratio Lower Upper

50 100

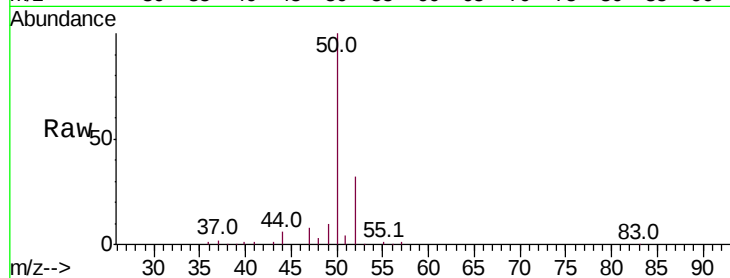
52 32.3 26.7 40.1

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

40000

30000

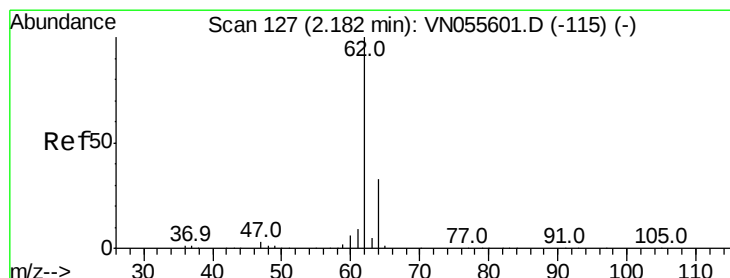
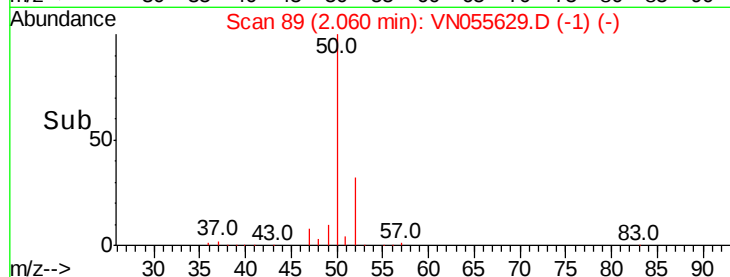
20000

10000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 18.917 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN055629.D

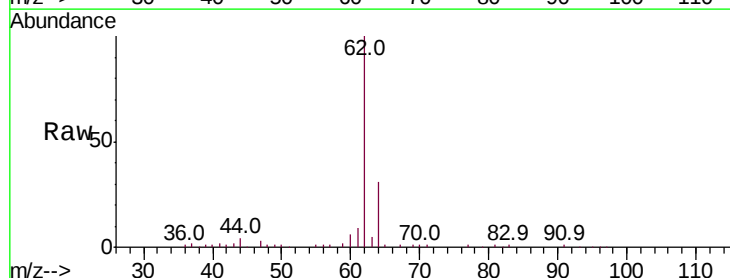
Acq: 17 May 2019 22:40

Tgt Ion: 62 Resp: 68424

Ion Ratio Lower Upper

62 100

64 31.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

50000

40000

30000

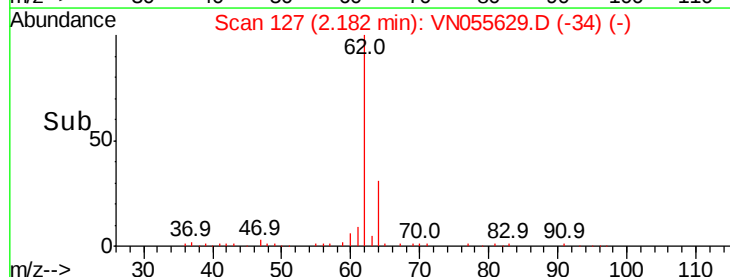
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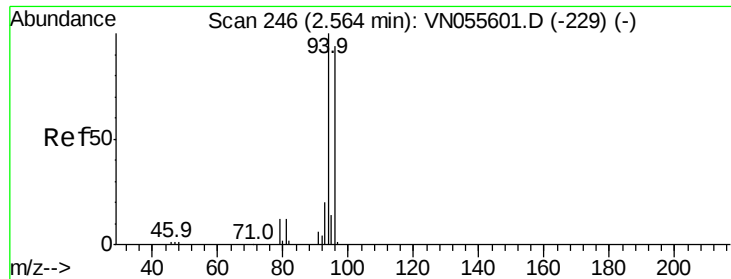
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0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 20.766 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion: 94 Resp: 47869

Ion Ratio Lower Upper

94 100

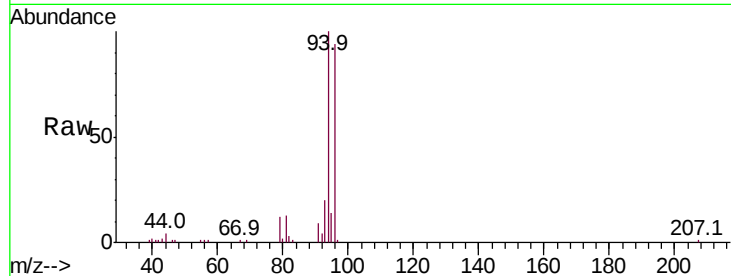
96 93.8 75.2 112.8

Manual Integrations

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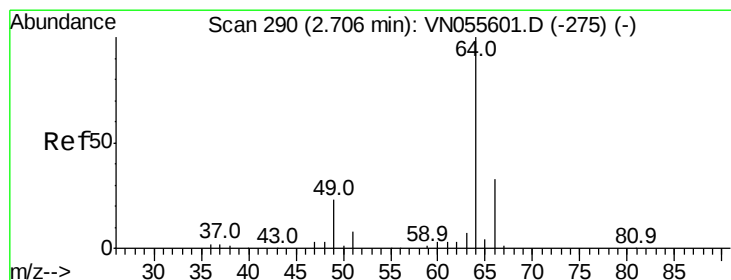
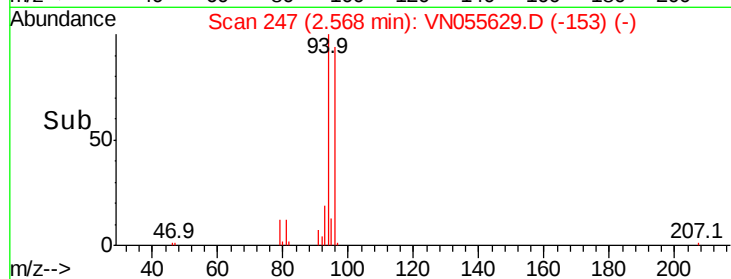
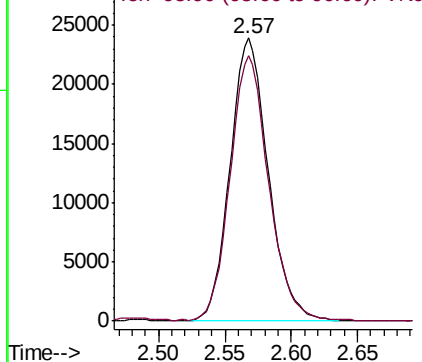
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.949 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055629.D

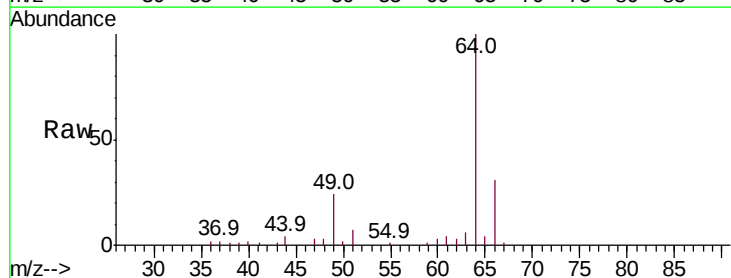
Acq: 17 May 2019 22:40

Tgt Ion: 64 Resp: 40064

Ion Ratio Lower Upper

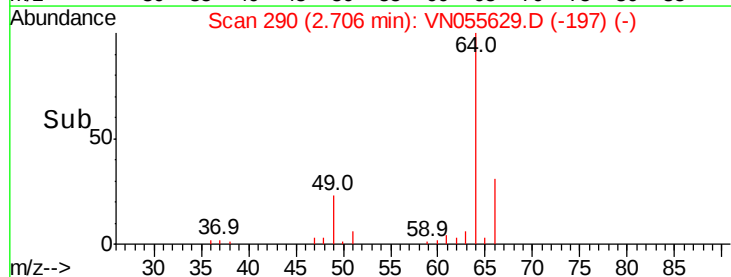
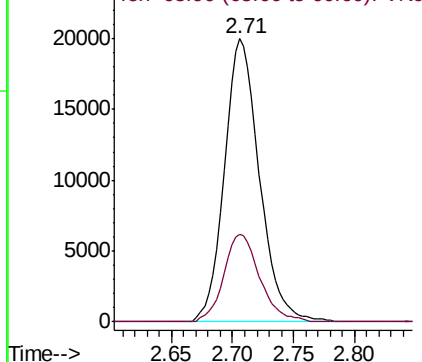
64 100

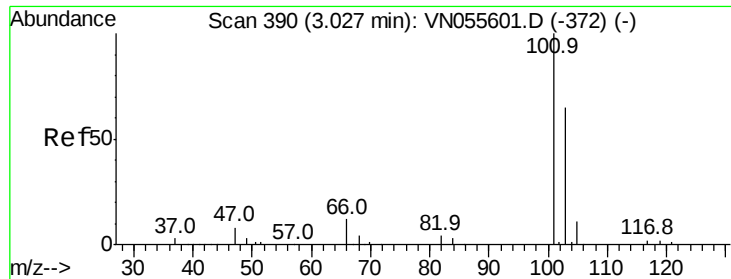
66 31.1 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

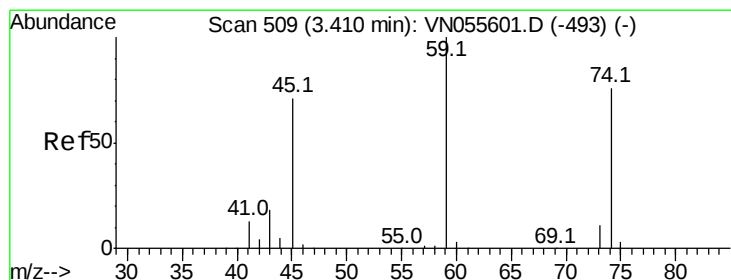
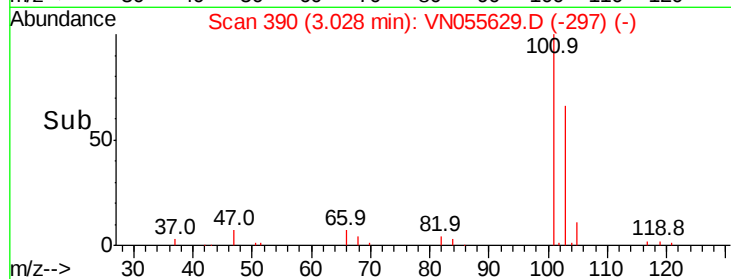
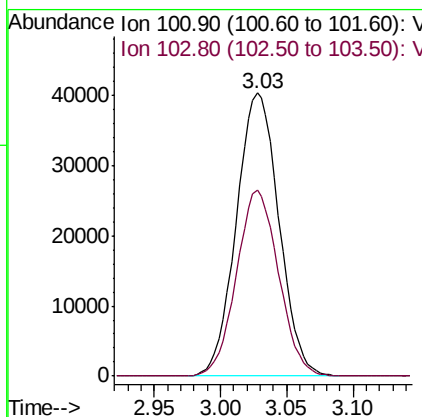
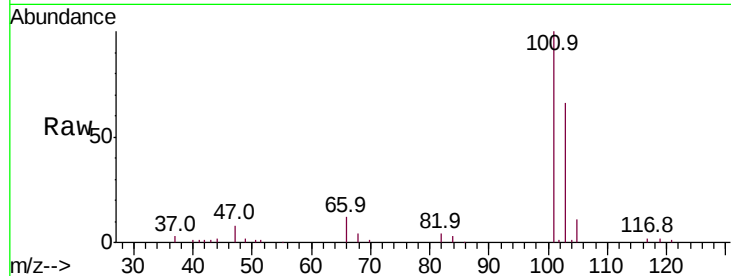
Trichlorofluoromethane
 Concen: 19.426 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
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 ClientSampleId :
 VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.3	78.5

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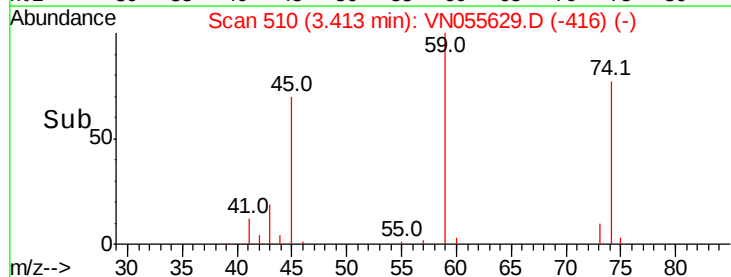
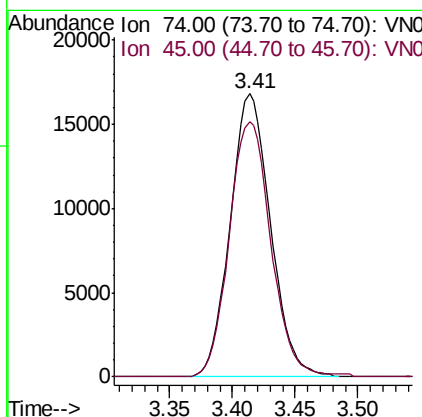
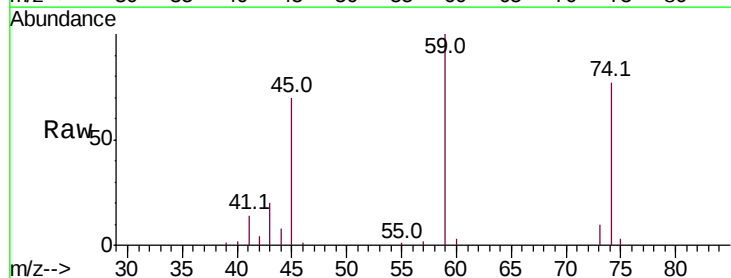
MMDadoda
 5/20/2019 9:09:10 AM

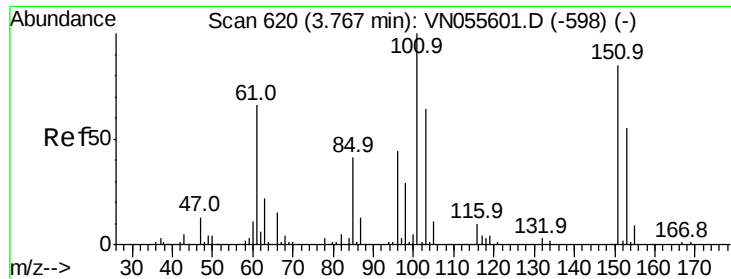


#8

Diethyl Ether
 Concen: 20.175 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.549 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

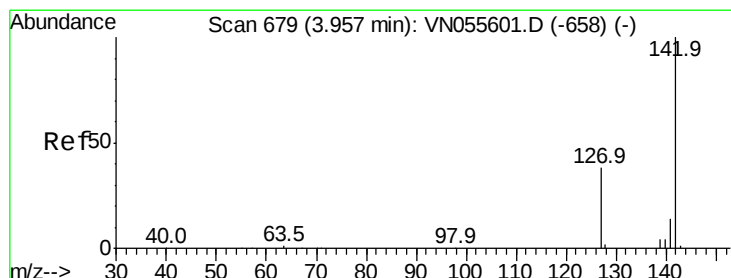
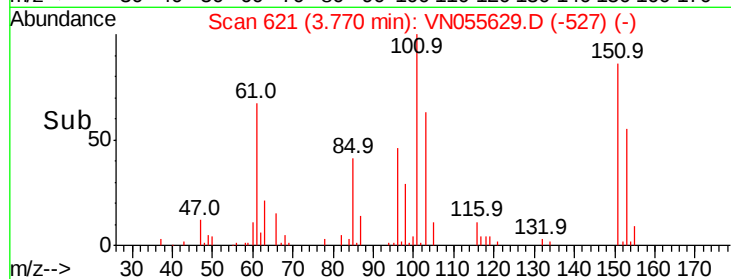
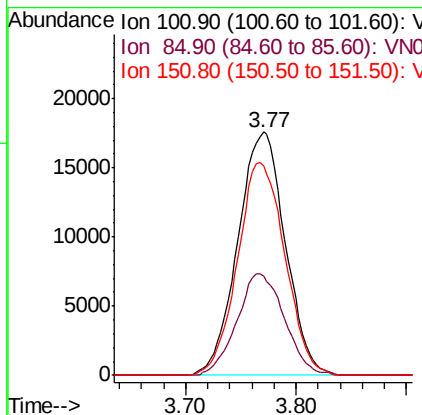
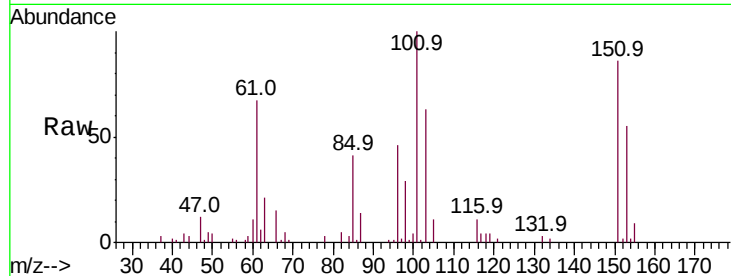
ClientSampleId :

VN0517MBSD01

Tot Ion:	101	Resp:	52417
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.0
151	87.4	69.3	103.9

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#10

Methyl Iodide

Concen: 17.733 ug/l

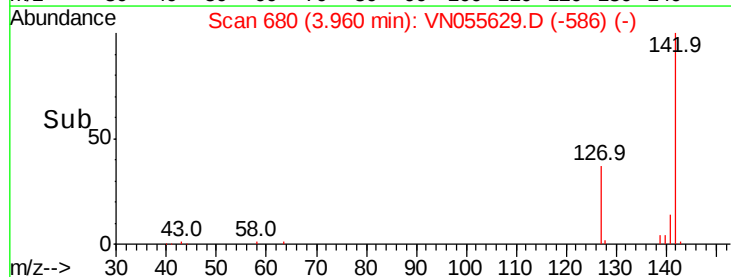
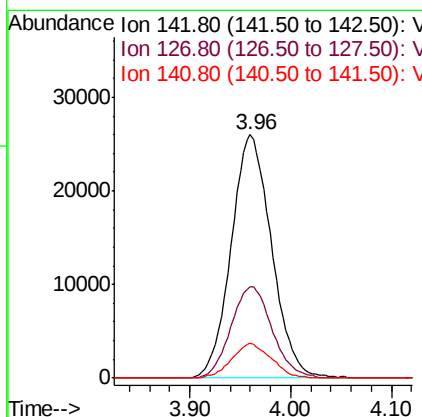
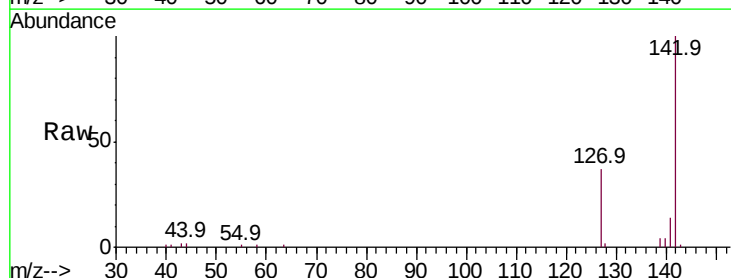
RT: 3.96 min Scan# 680

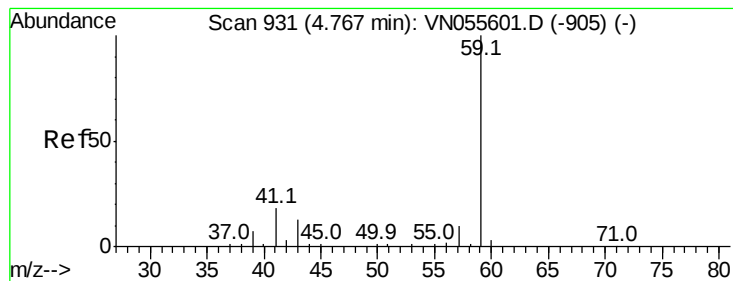
Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion:	142	Resp:	72243
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.4
141	14.0	11.5	17.3





#11

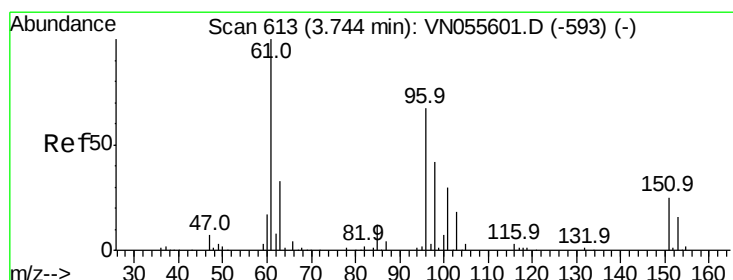
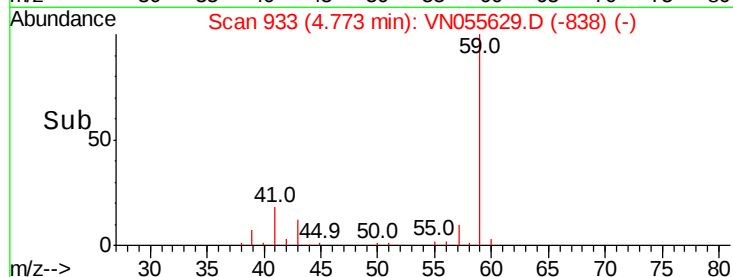
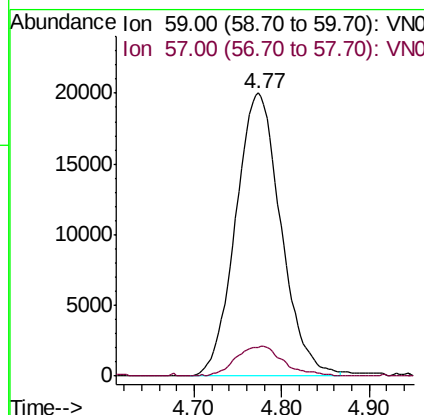
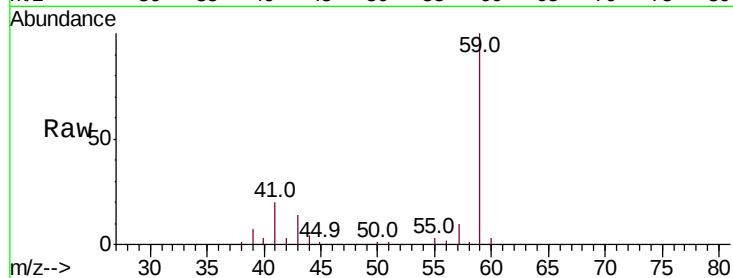
Tert butyl alcohol
 Concen: 107.848 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBSD01

Tot Ion	59	57	Ratio	100	Lower	Upper
Resp:	71759					
Ion	59	57	Ratio	100	7.8	11.6

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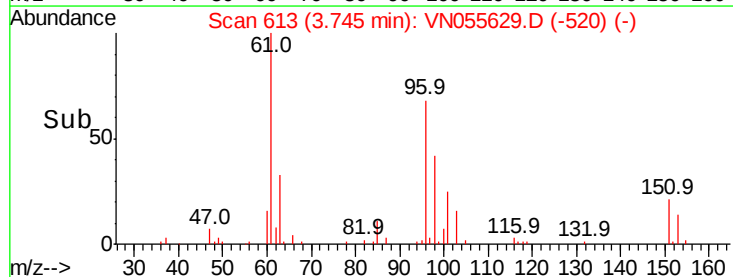
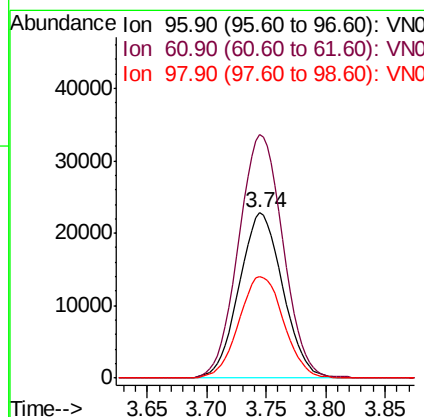
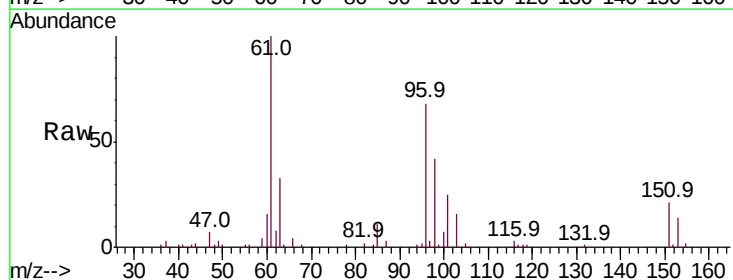
MMDadoda
 5/20/2019 9:09:10 AM

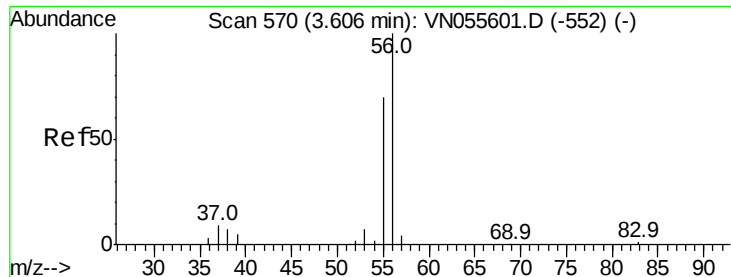


#12

1,1-Dichloroethene
 Concen: 19.540 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion	96	61	98	Ratio	100	Lower	Upper
Resp:	58083						
Ion	96	61	98	Ratio	100	120.2	180.2
						50.6	75.8





#13

Acrolein

Concen: 96.961 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion: 56 Resp: 32624

Ion Ratio Lower Upper

56 100

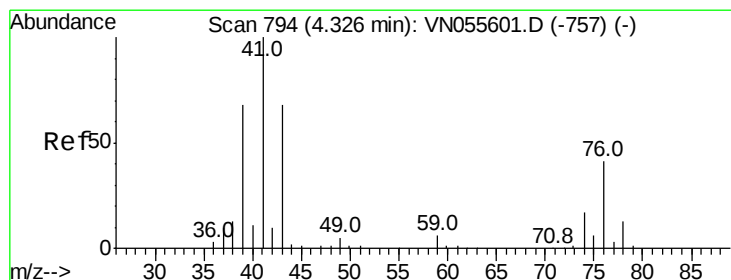
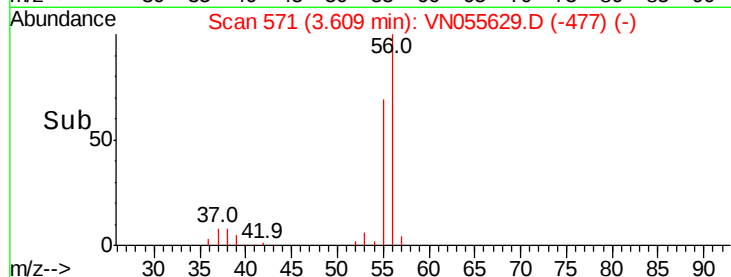
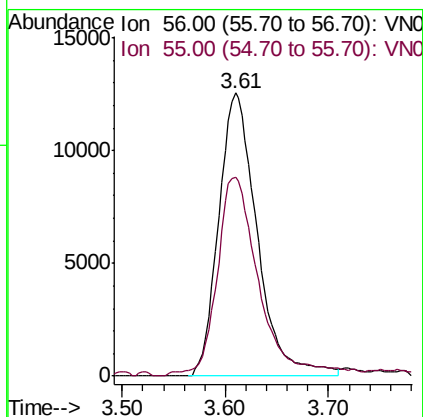
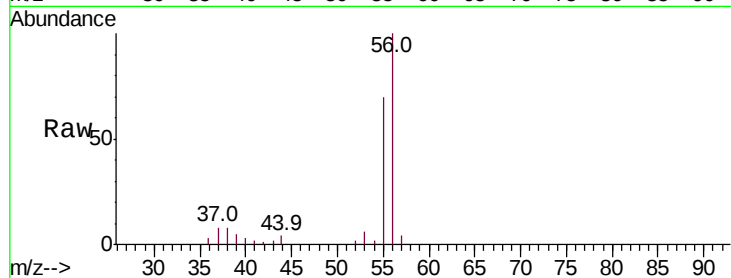
55 76.2 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 19.232 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

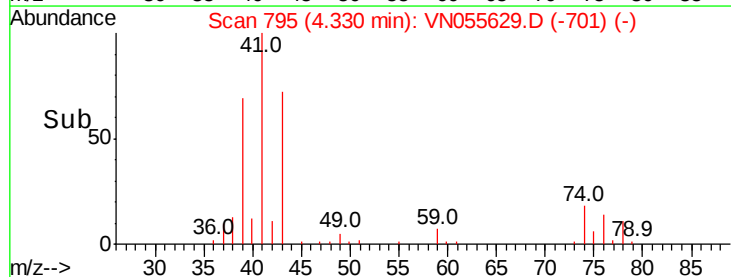
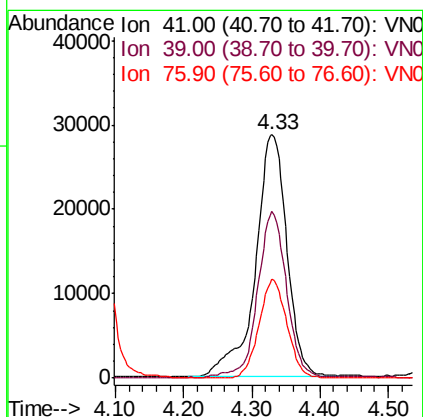
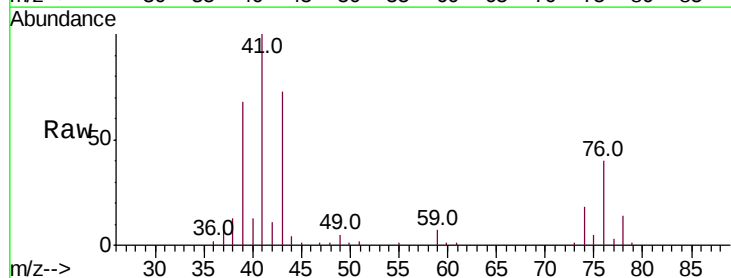
Tgt Ion: 41 Resp: 92291

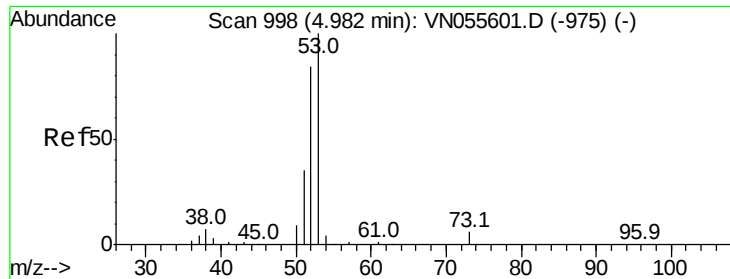
Ion Ratio Lower Upper

41 100

39 63.4 50.5 75.7

76 35.9 29.2 43.8





#15

Acrylonitrile

Concen: 103.226 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

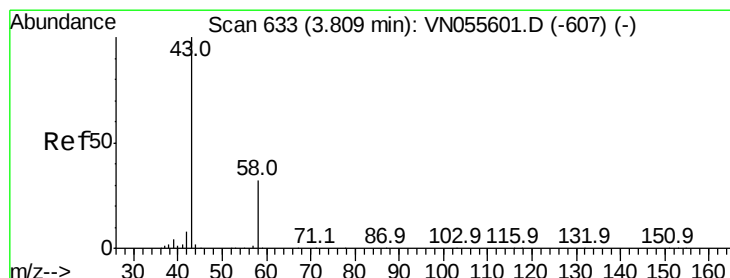
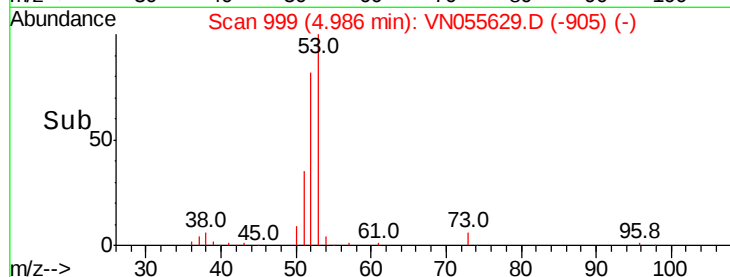
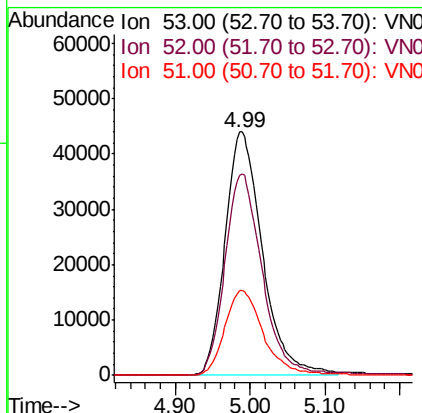
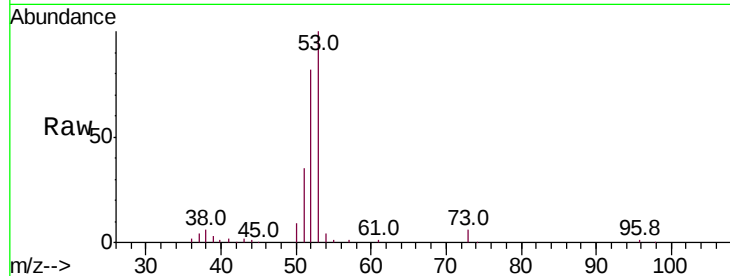
ClientSampleId :

VN0517MBSD01

Tot Ion:	53	Resp:	152809
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.4
51	36.1	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 85.022 ug/l

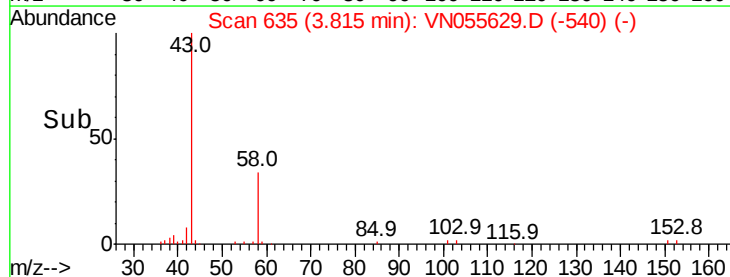
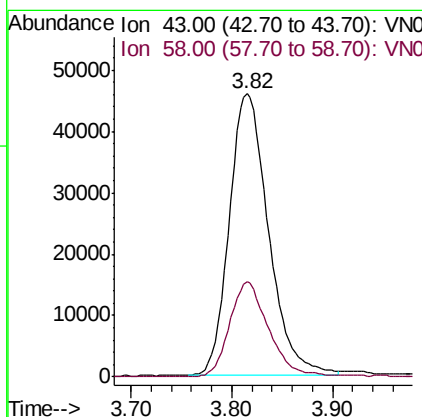
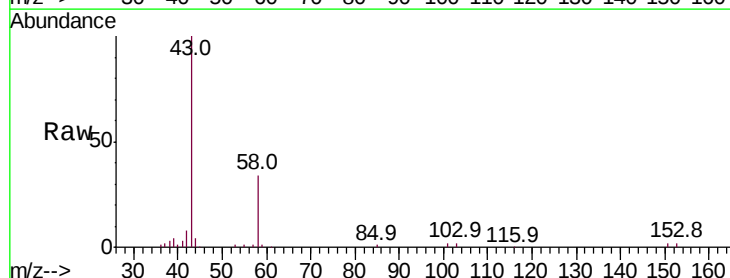
RT: 3.82 min Scan# 635

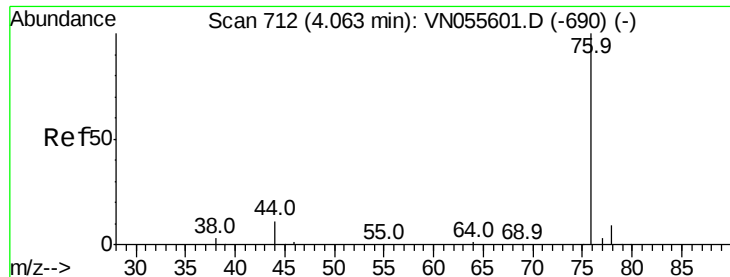
Delta R.T. 0.01 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion:	43	Resp:	123800
Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.0	39.0





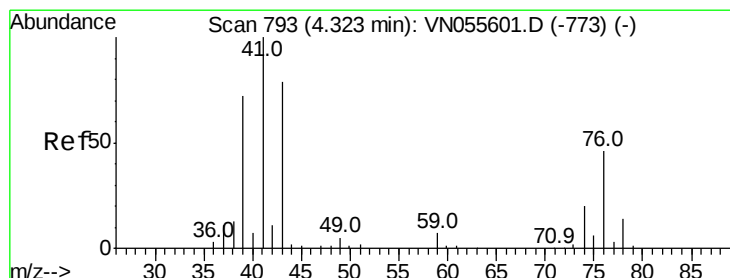
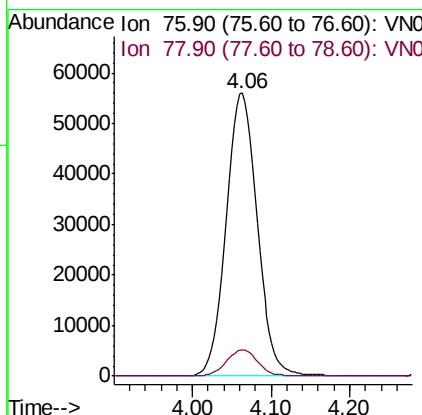
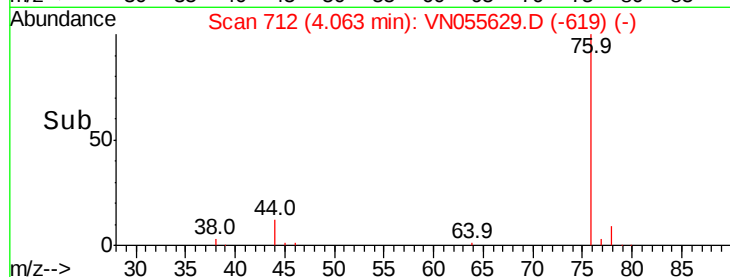
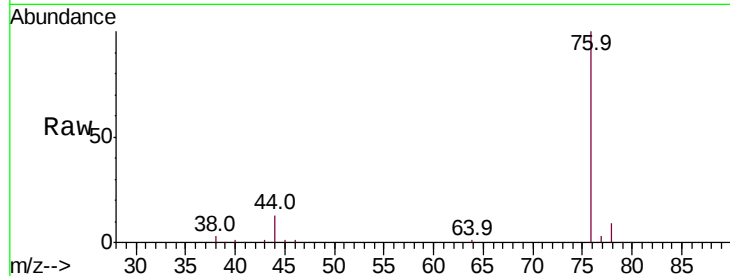
#17
Carbon Disulfide
Concen: 18.645 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

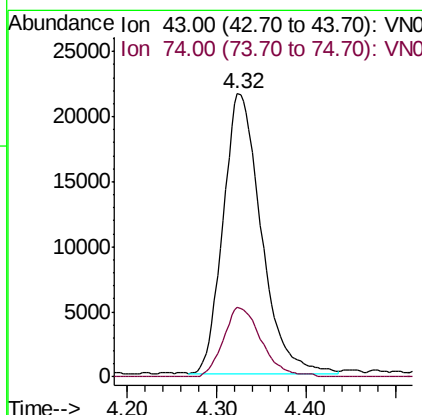
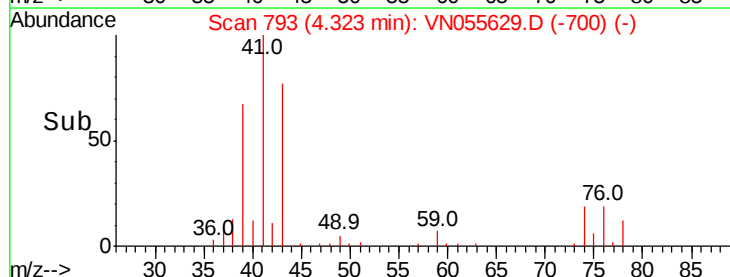
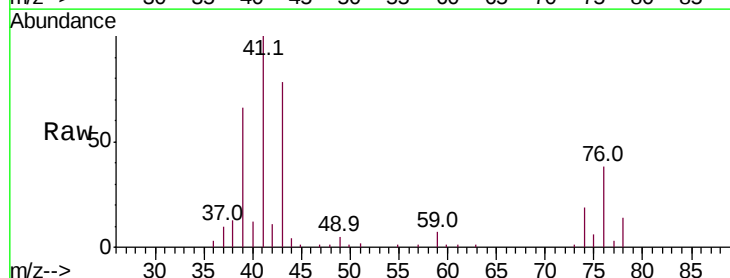
Manual Integrations
APPROVED

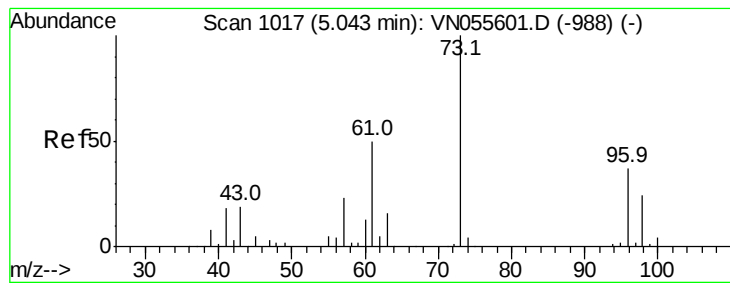
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5/20/2019 9:09:10 AM



#18
Methyl Acetate
Concen: 20.389 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.9	29.9





#19

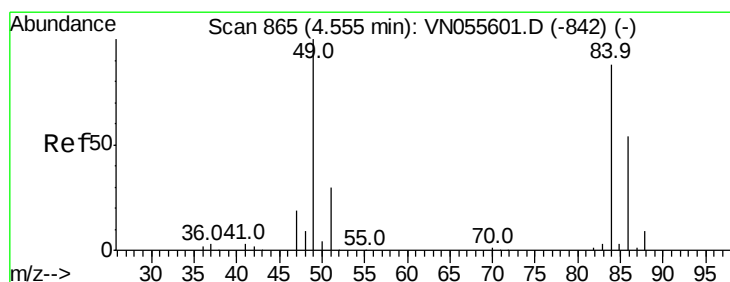
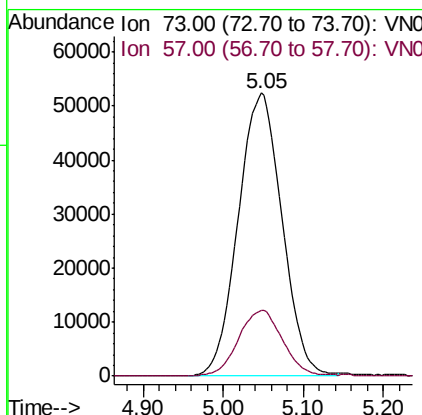
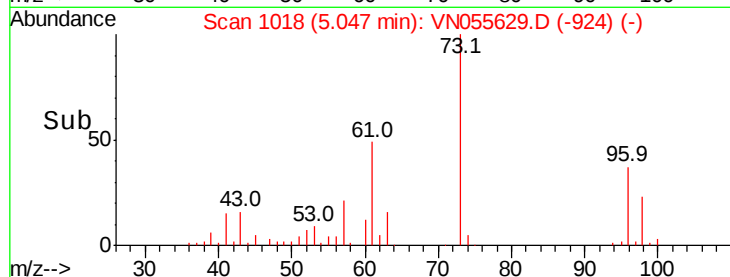
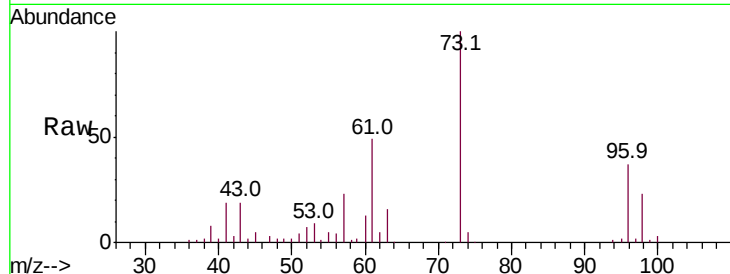
Methyl tert-butyl Ether
 Concen: 19.917 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBSD01

Tot Ion: 73 Resp: 195858
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.2 27.2

Manual Integrations
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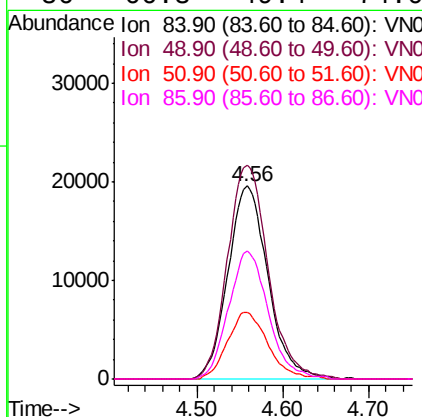
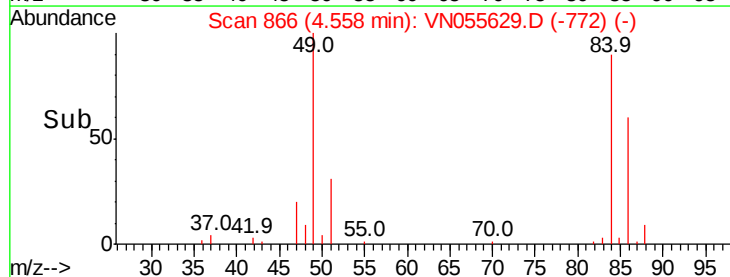
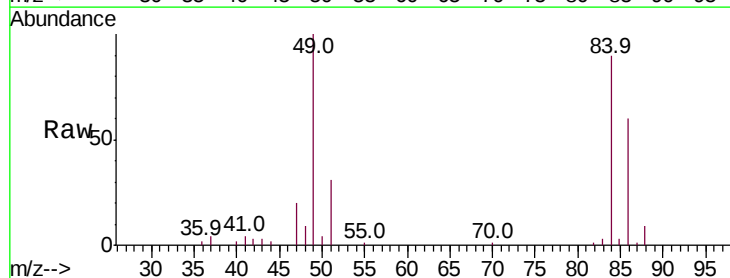
MMDadoda
 5/20/2019 9:09:10 AM

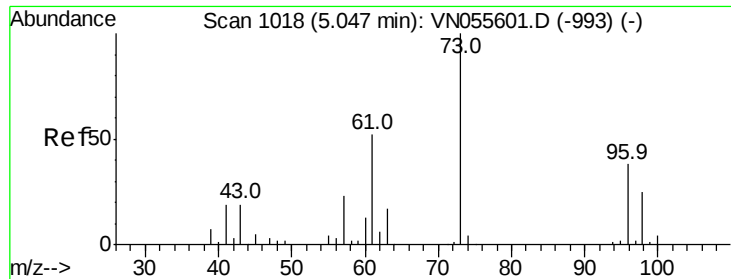


#20

Methylene Chloride
 Concen: 19.098 ug/l
 RT: 4.56 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion: 84 Resp: 63462
 Ion Ratio Lower Upper
 84 100
 49 110.8 91.0 136.4
 51 34.8 27.5 41.3
 86 66.3 49.4 74.0





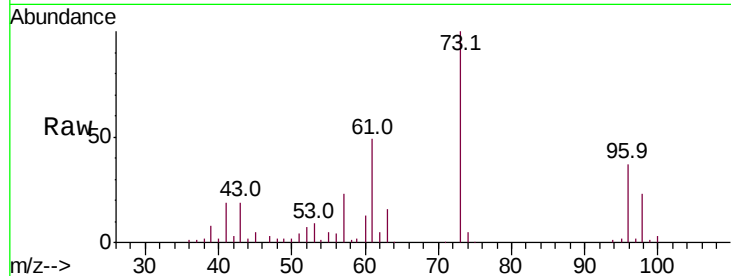
#21
trans-1,2-Dichloroethene
Concen: 19.680 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	108.6	162.8
98	62.5	51.4	77.0

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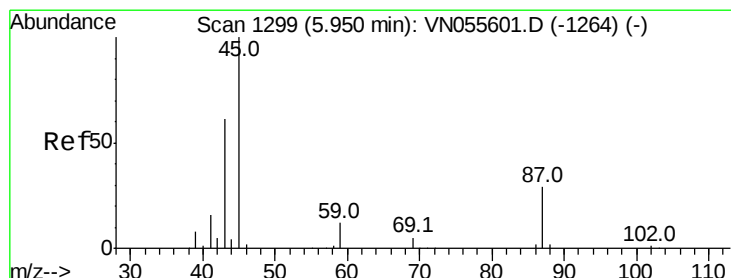
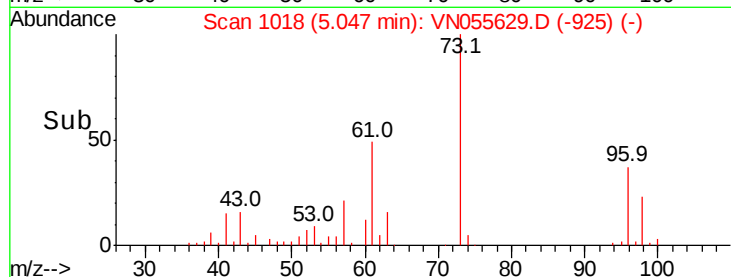
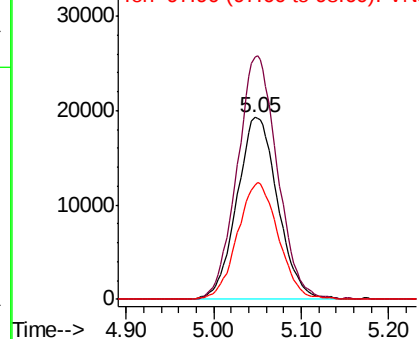


Abundance

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: 19.432 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	50.4	75.6
87	29.6	23.8	35.6
59	11.7	9.5	14.3

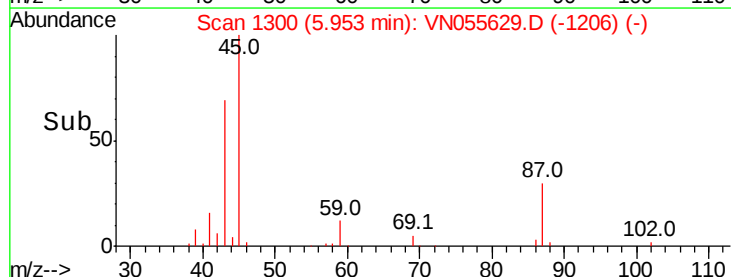
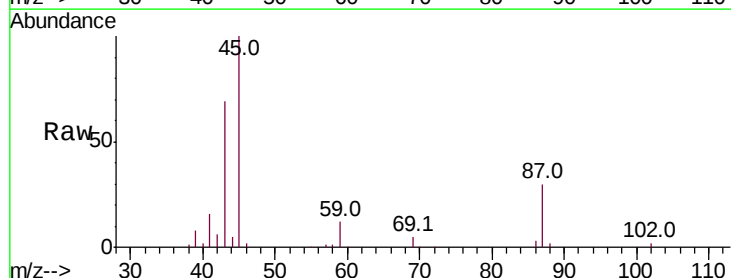
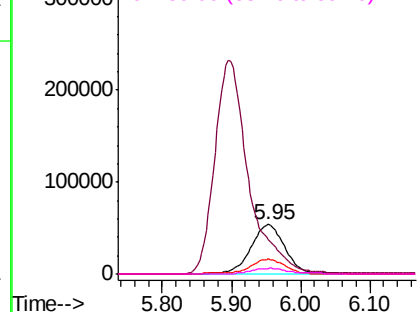
Abundance

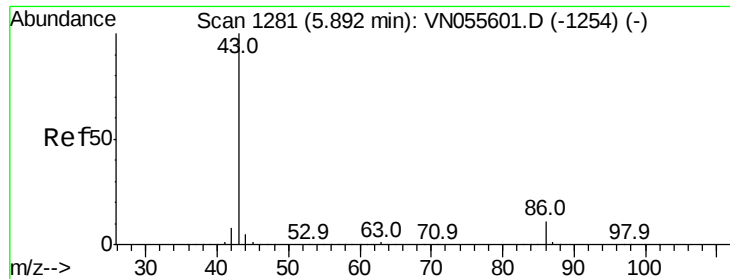
Ion 45.00 (44.70 to 45.70): VN0

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: 97.977 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleID :

VN0517MBSD01

Tot Ion: 43 Resp: 790542

Ion Ratio Lower Upper

43 100

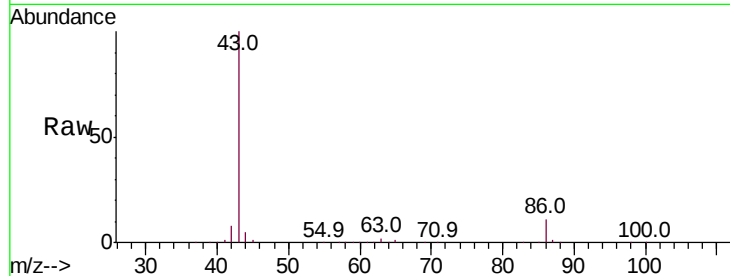
86 11.2 8.7 13.1

Manual Integrations

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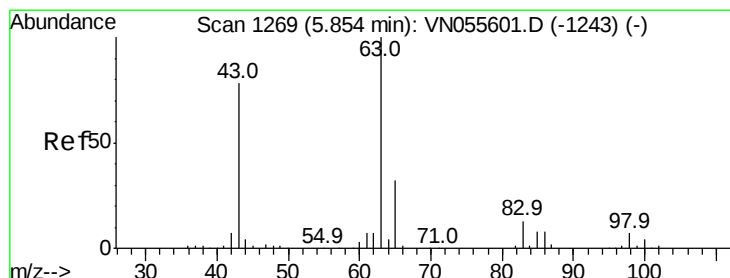
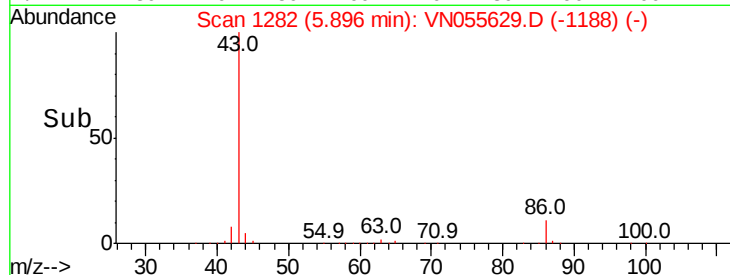
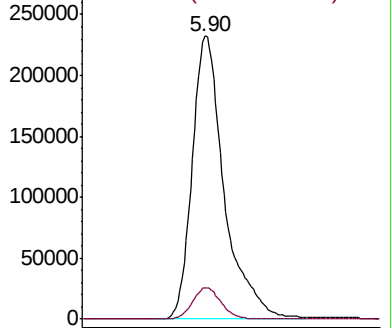
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.972 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

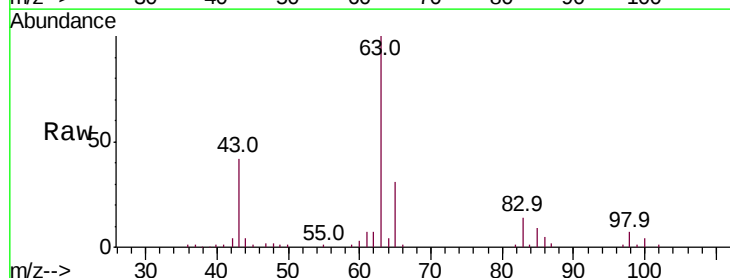
Tgt Ion: 63 Resp: 111355

Ion Ratio Lower Upper

63 100

98 7.5 3.4 10.2

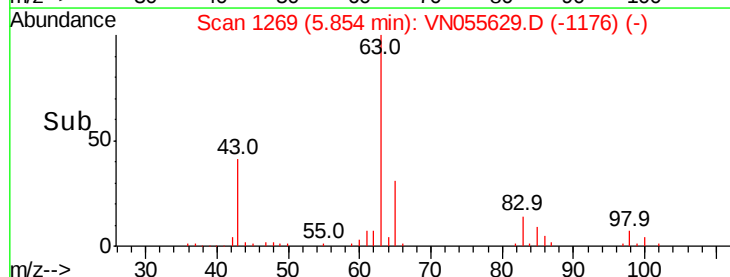
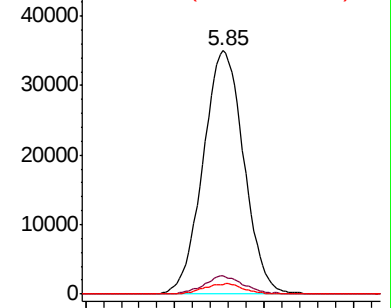
100 4.1 2.2 6.6

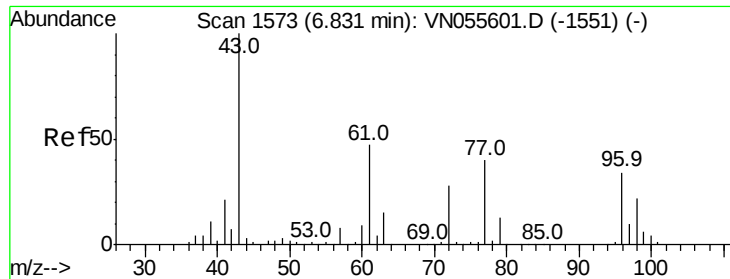


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





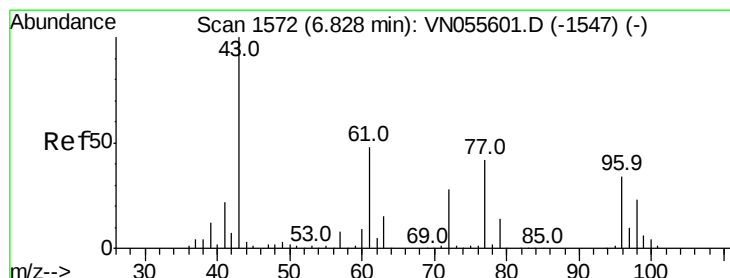
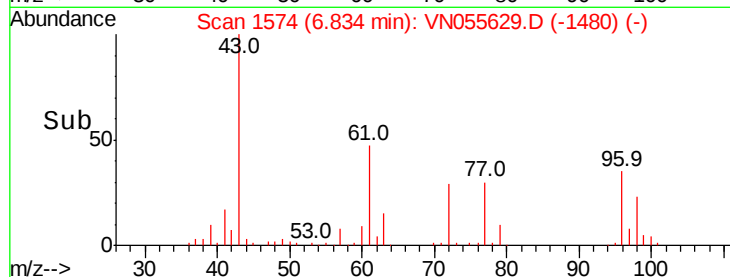
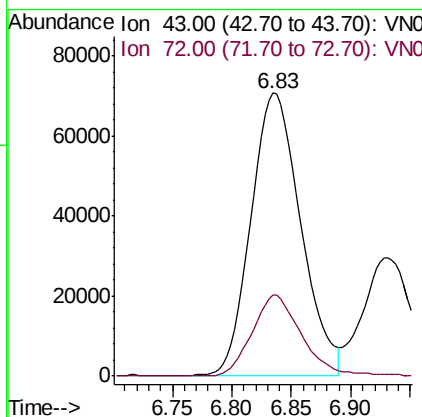
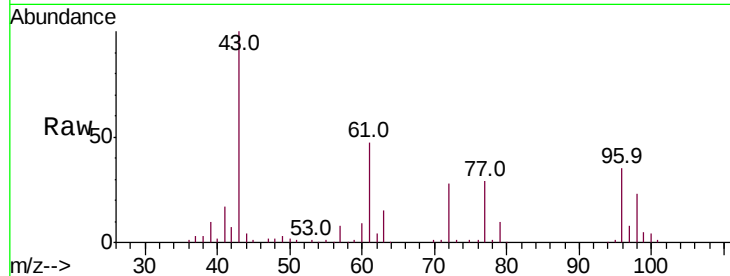
#25
2-Butanone
Concen: 100.079 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion: 43 Resp: 203753
Ion Ratio Lower Upper
43 100
72 28.5 22.3 33.5

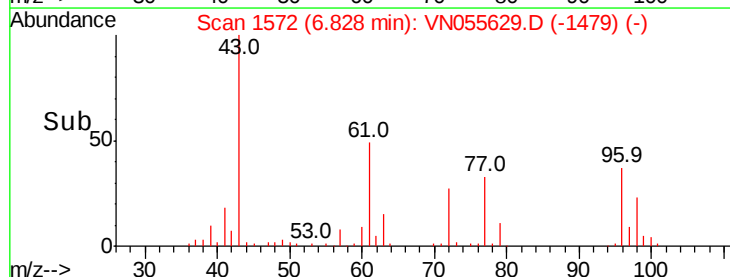
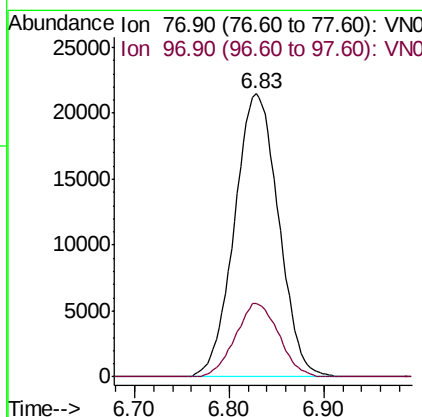
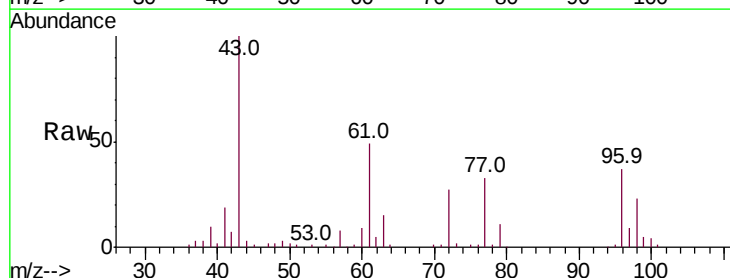
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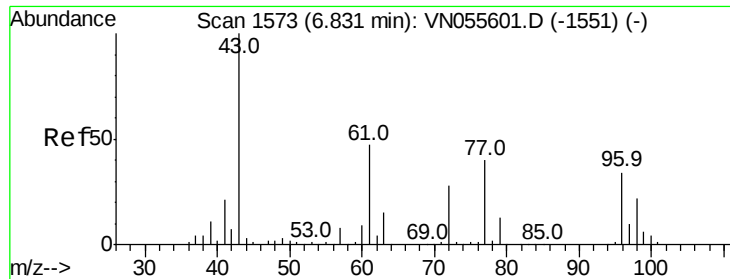
MMDadoda
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#26
2,2-Dichloropropane
Concen: 14.061 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 77 Resp: 69579
Ion Ratio Lower Upper
77 100
97 25.5 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.688 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

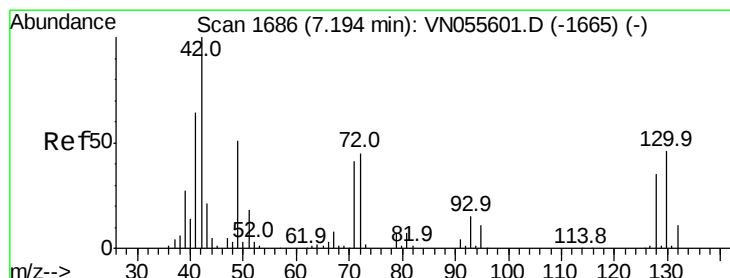
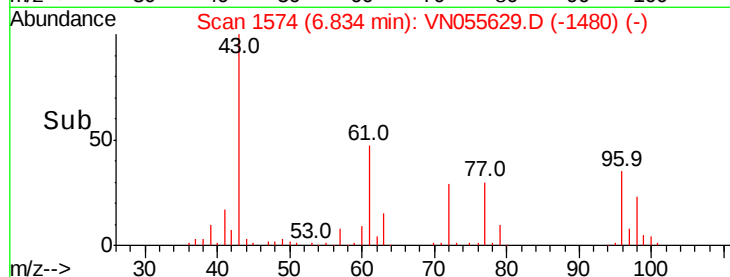
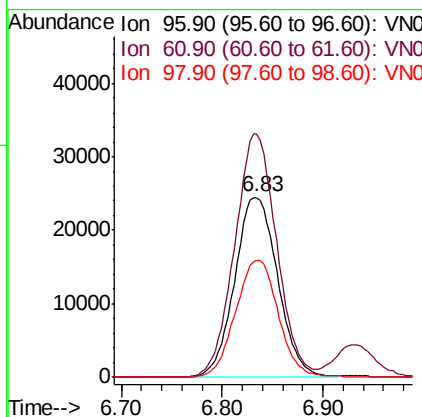
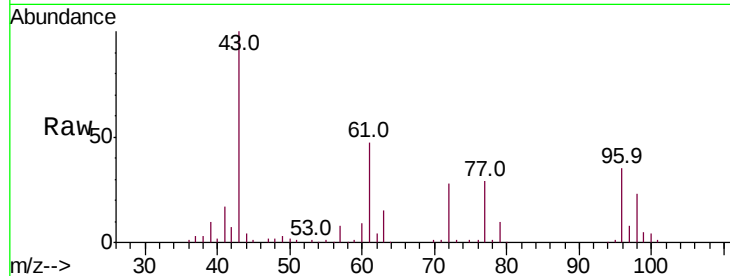
ClientSampleId :

VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	0.0	279.0
98	64.7	0.0	131.6

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#28

Bromochloromethane

Concen: 19.609 ug/l

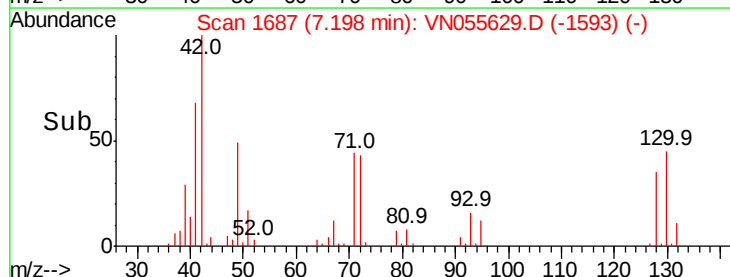
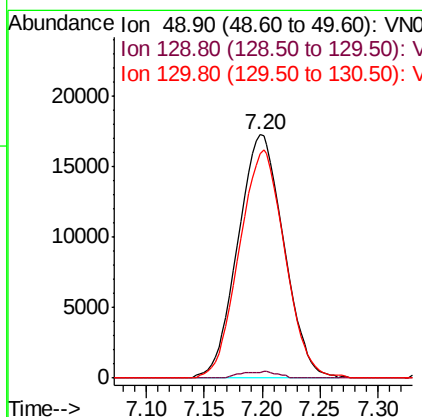
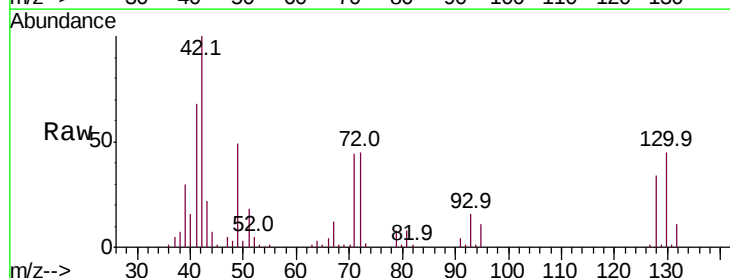
RT: 7.20 min Scan# 1687

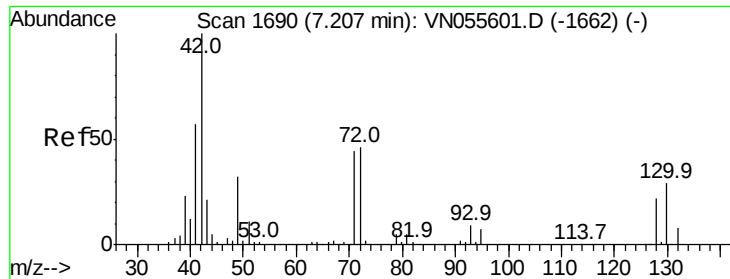
Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	93.1	71.0	106.6





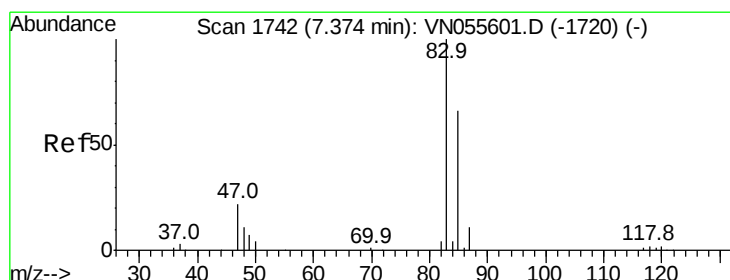
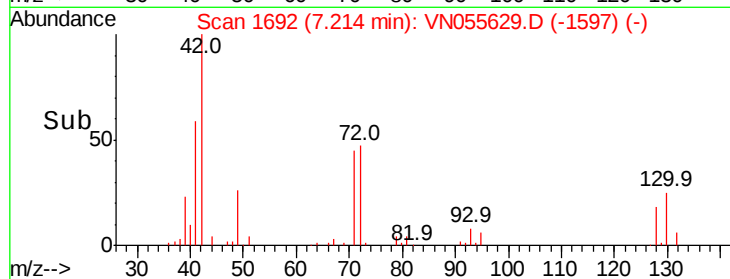
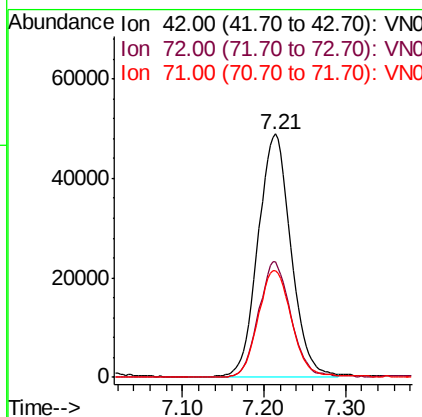
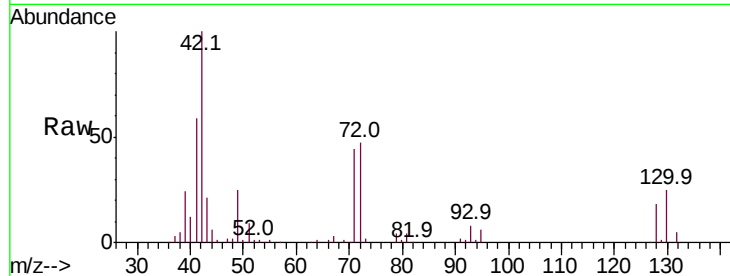
#29
Tetrahydrofuran
Concen: 102.699 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.01 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion:	42	Resp:	138522
Ion Ratio	Lower	Upper	
42	100		
72	46.1	36.5	54.7
71	44.4	34.9	52.3

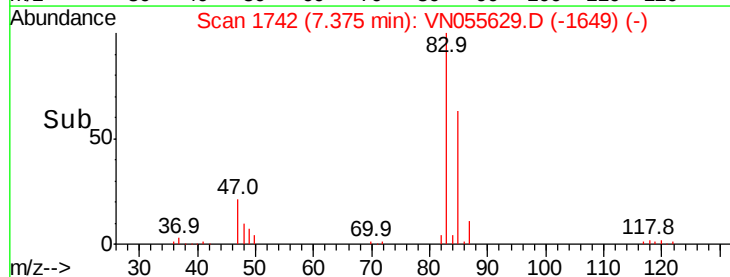
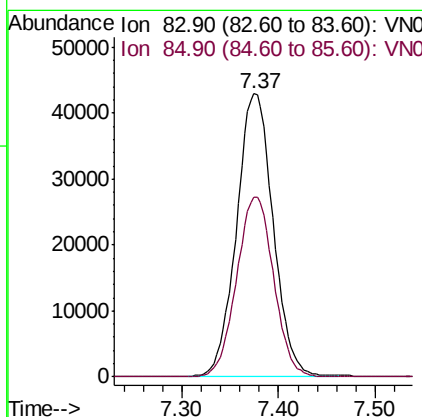
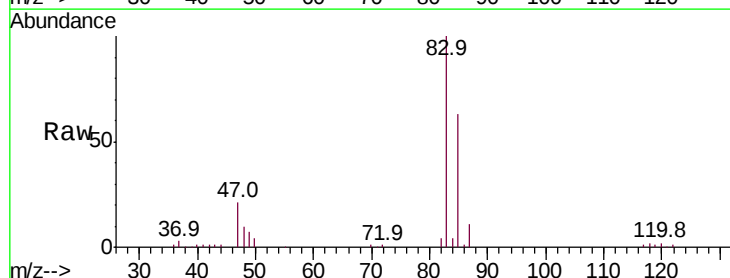
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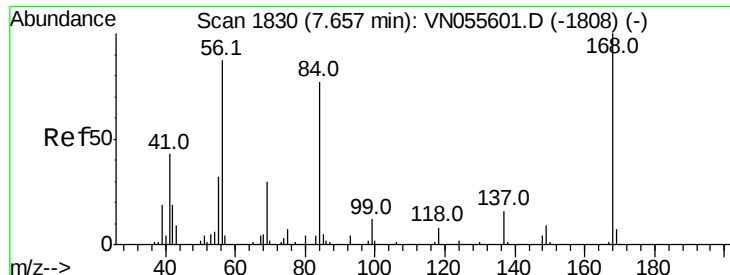
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#30
Chloroform
Concen: 19.799 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion:	83	Resp:	113315
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.6	78.8





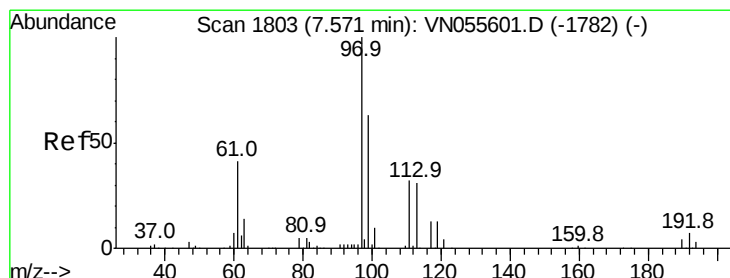
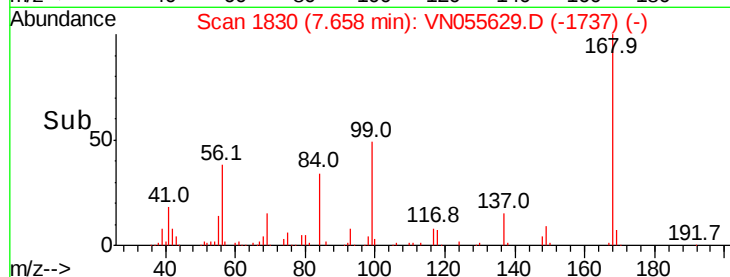
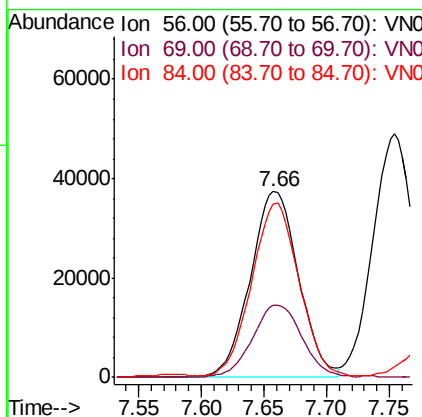
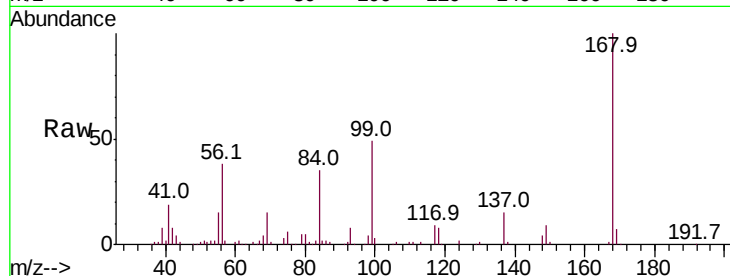
#31
Cyclohexane
Concen: 18.970 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	27.2	40.8
84	91.9	71.3	106.9

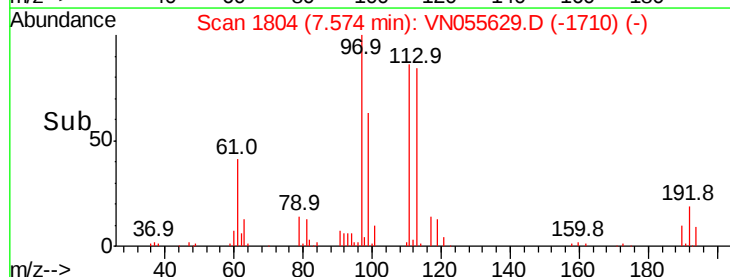
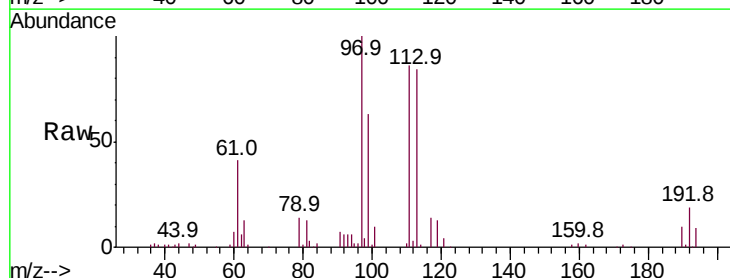
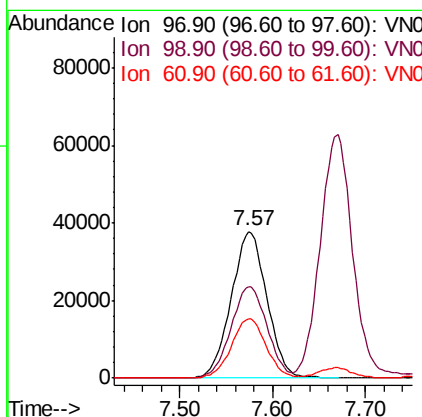
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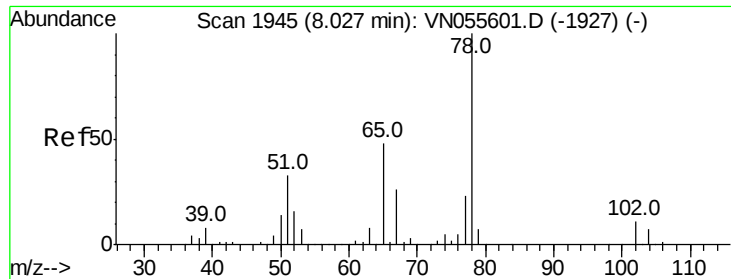
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#32
1,1,1-Trichloroethane
Concen: 19.623 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.4	77.2
61	39.5	32.9	49.3





#33

1,2-Dichloroethane-d4

Concen: 50.233 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion: 65 Resp: 179233

Ion Ratio Lower Upper

65 100

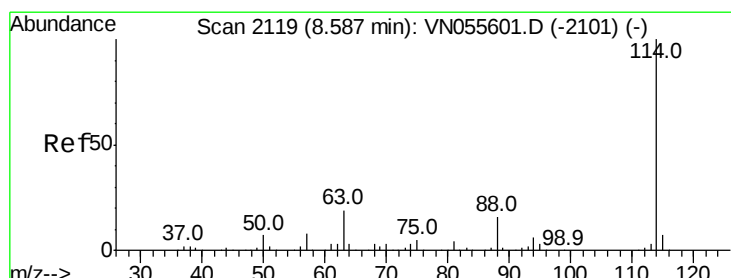
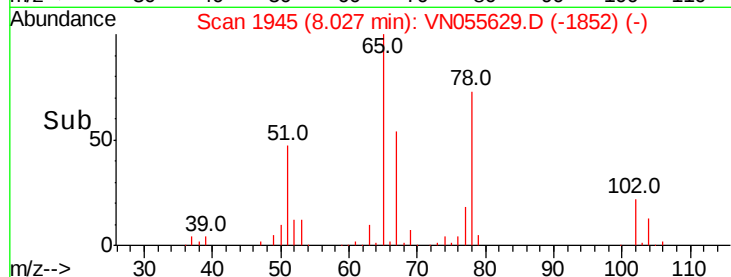
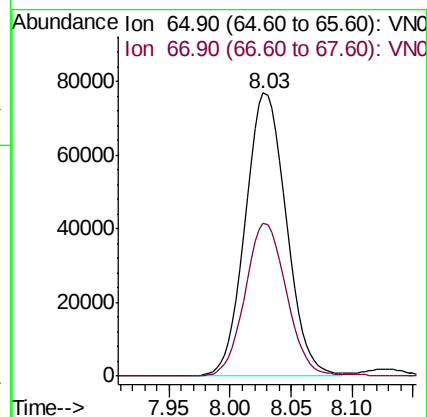
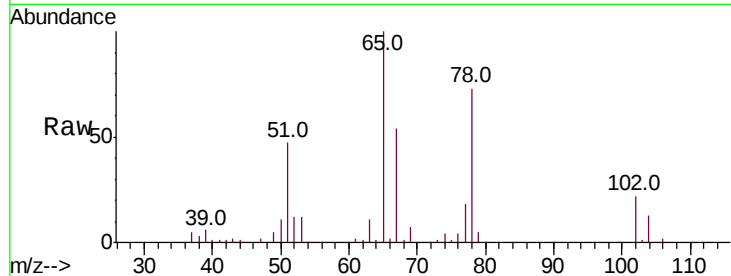
67 54.7 0.0 108.6

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5/20/2019 9:09:10 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

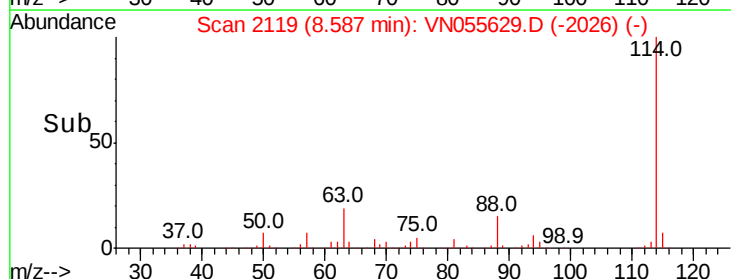
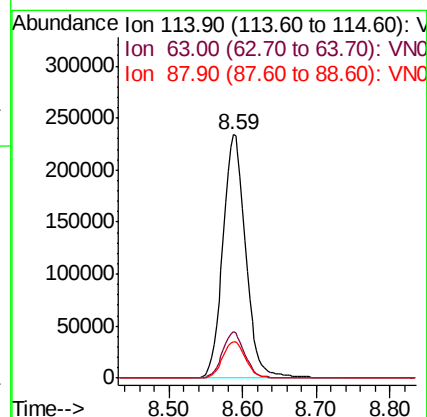
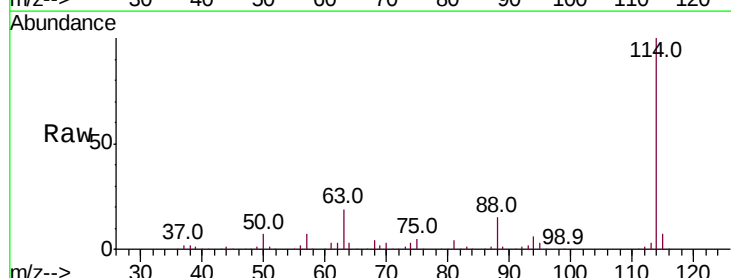
Tgt Ion: 114 Resp: 502059

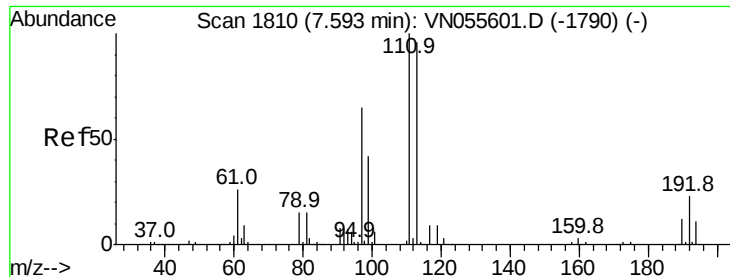
Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.2

88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.264 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

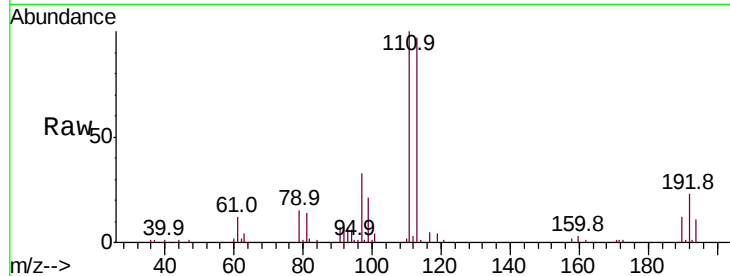
ClientSampleId :

VN0517MBSD01

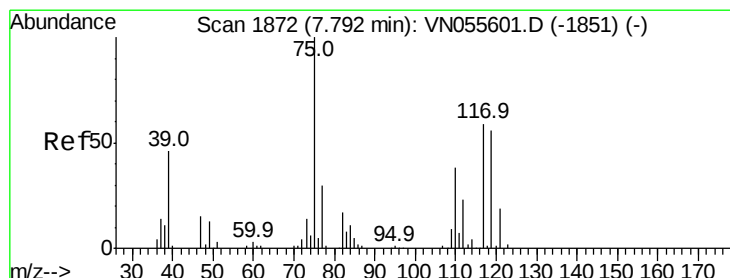
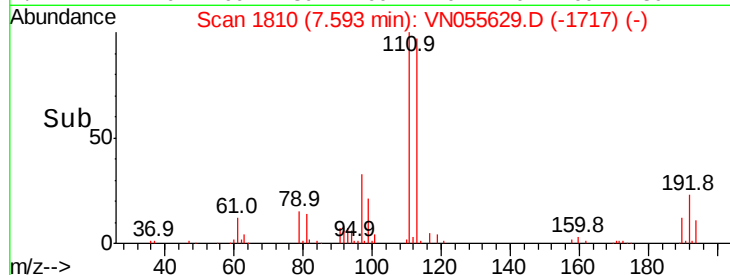
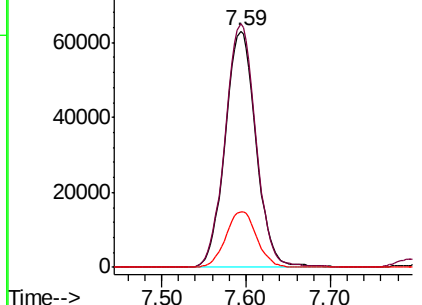
Tot Ion:	113	Resp:	160306
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.5	123.7
192	23.6	18.7	28.1

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



#36

1,1-Dichloropropene

Concen: 18.783 ug/l

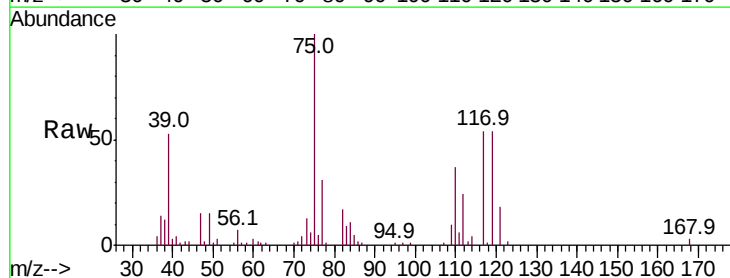
RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

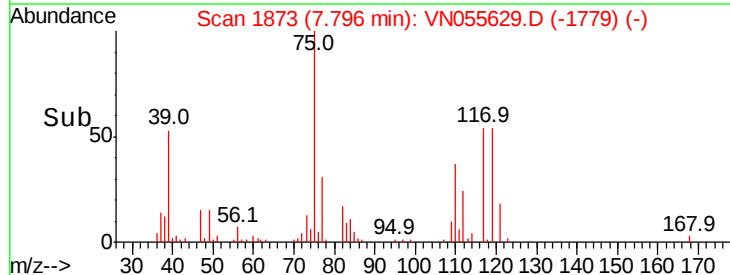
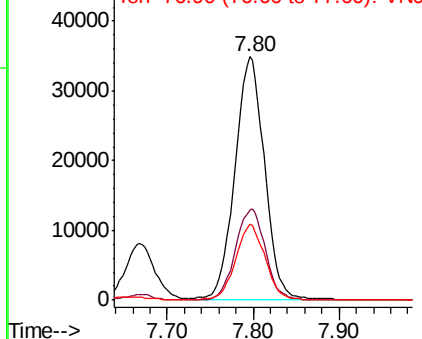
Lab File: VN055629.D

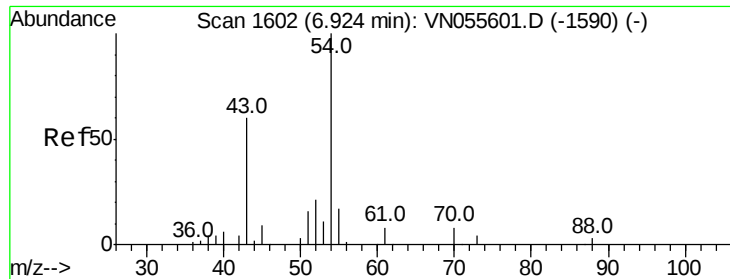
Acq: 17 May 2019 22:40

Tgt Ion:	75	Resp:	84077
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.6	55.6
77	30.9	24.9	37.3



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





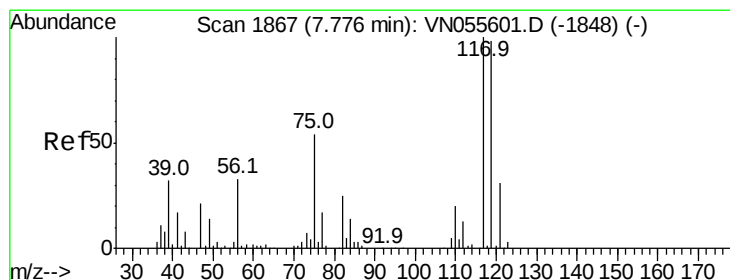
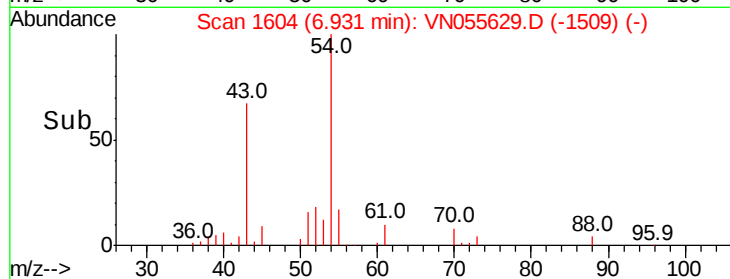
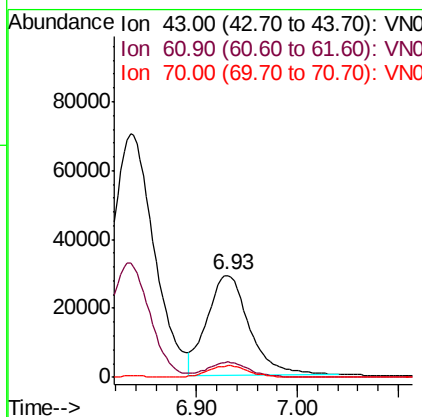
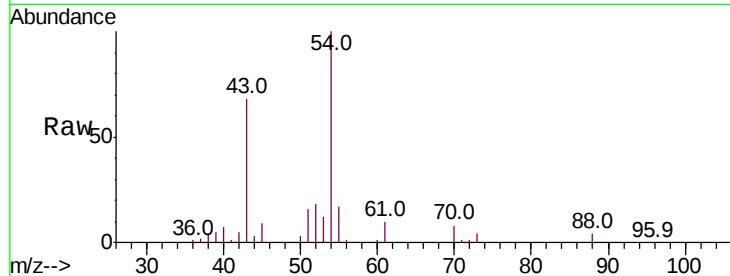
#37
Ethyl Acetate
Concen: 21.054 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.4	17.0
70	11.2	9.2	13.8

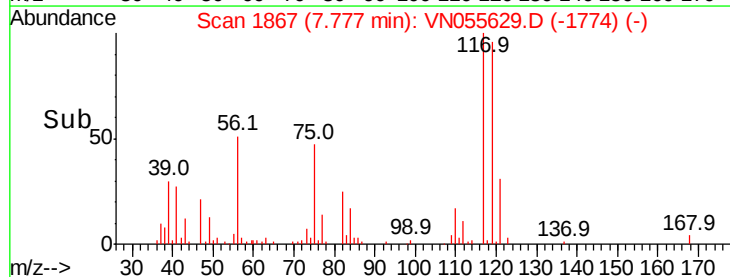
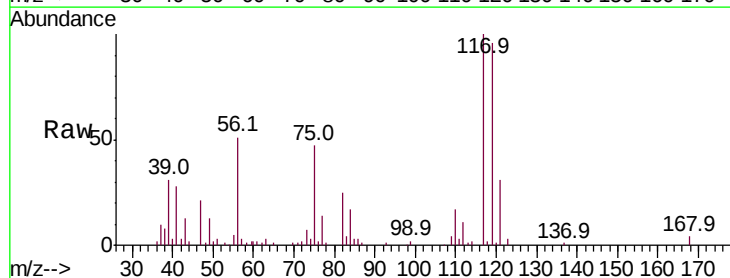
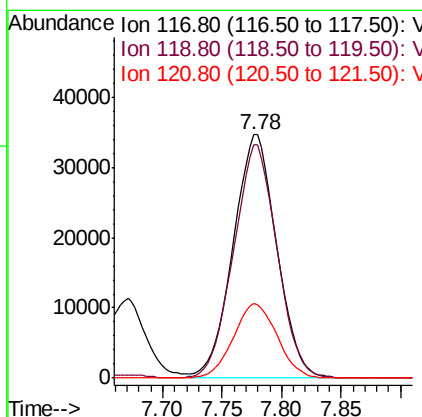
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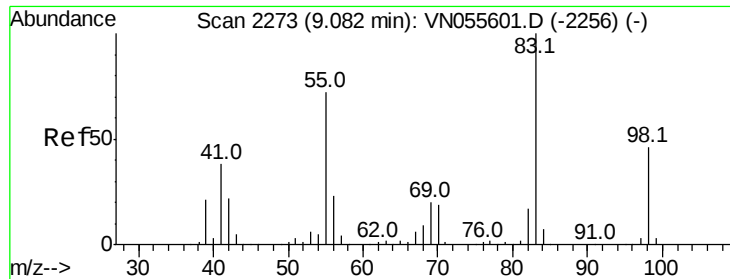
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#38
Carbon Tetrachloride
Concen: 18.354 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.8	116.8
121	30.7	24.6	37.0





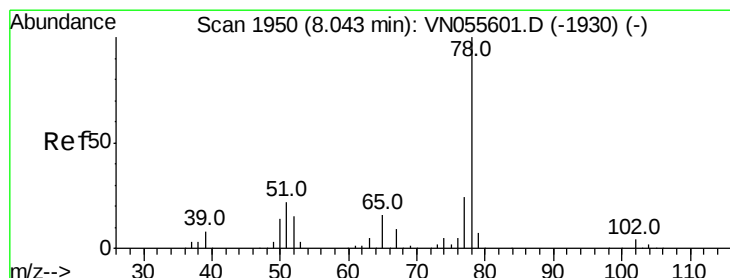
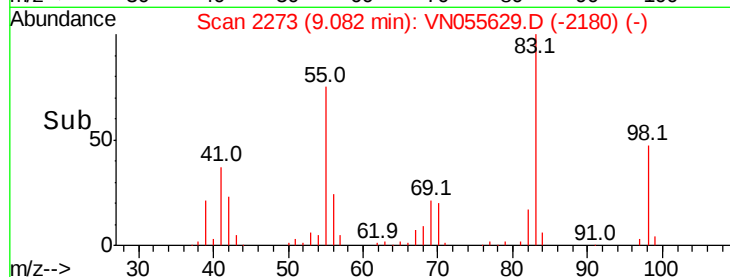
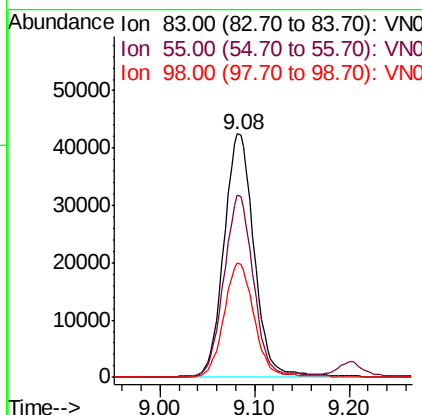
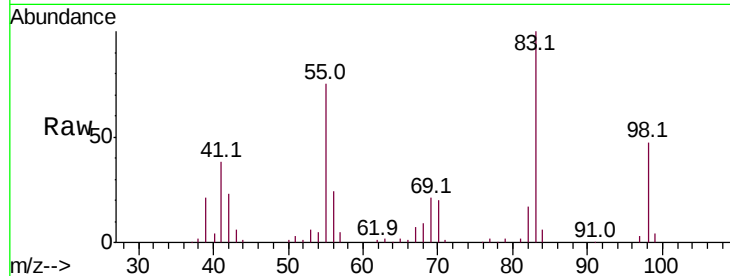
#39
Methylvlcyclohexane
Concen: 17.478 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion	83	Resp	94311
Ion Ratio	100	Lower	Upper
83	100		
55	74.1	57.8	86.6
98	46.8	36.7	55.1

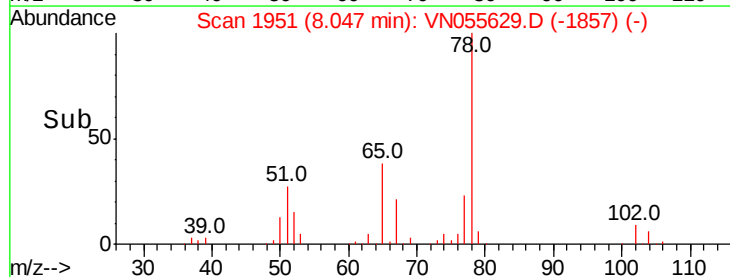
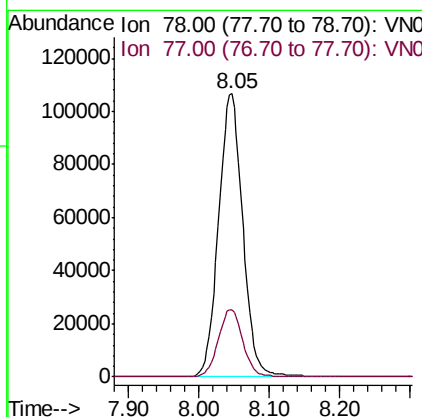
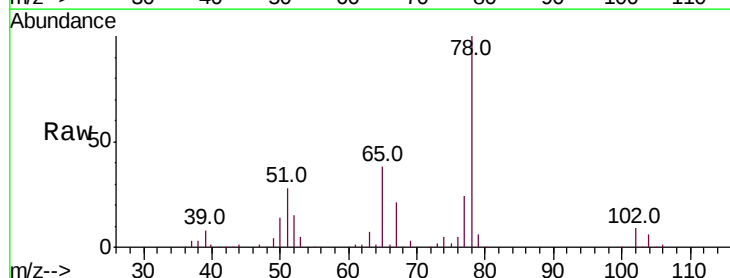
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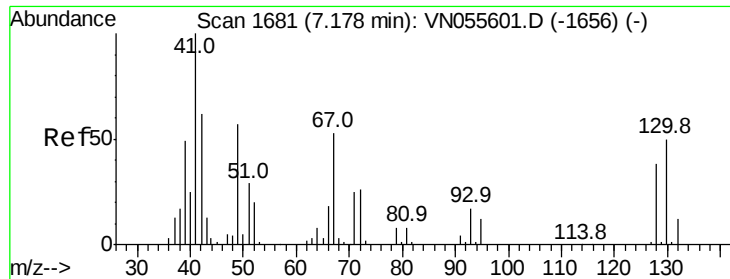
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#40
Benzene
Concen: 19.395 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion	78	Resp	255347
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.9	28.3





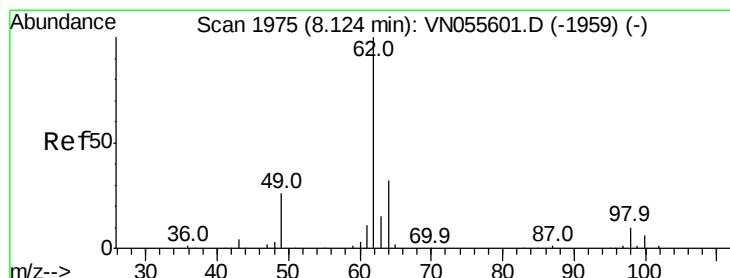
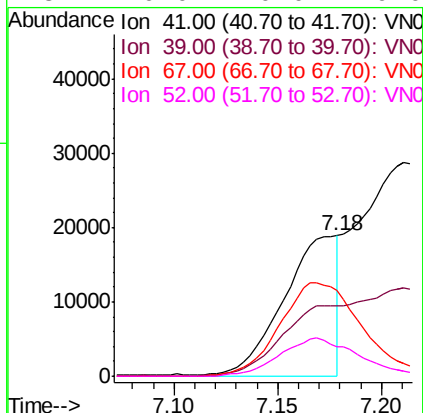
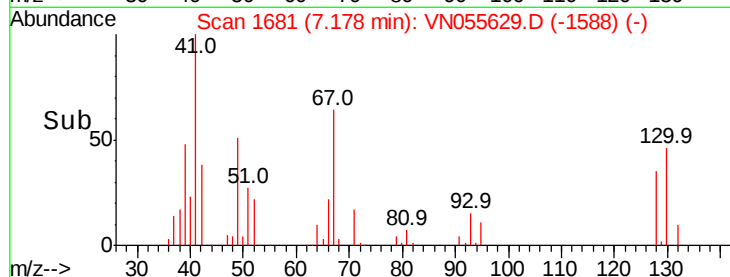
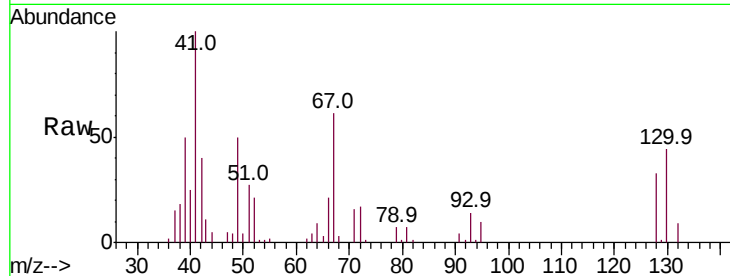
#41
Methacrylonitrile
Concen: 19.948 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

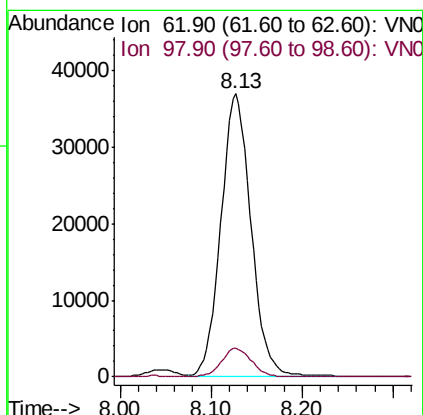
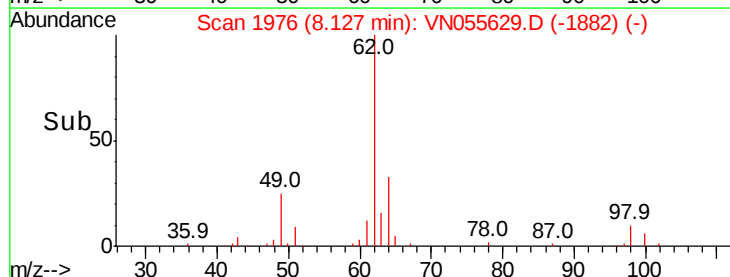
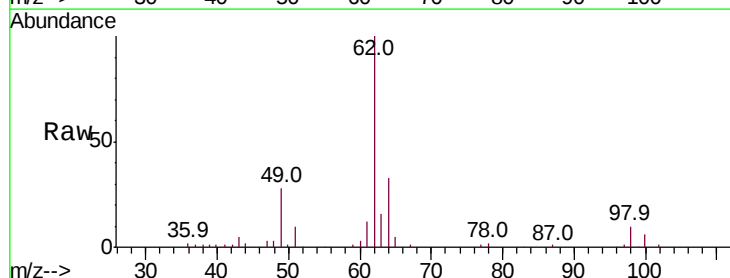
Manual Integrations
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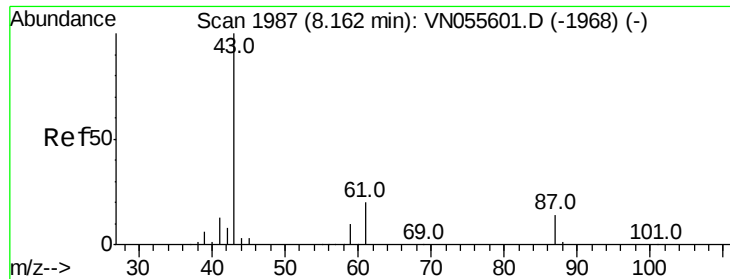
MMDadoda
5/20/2019 9:09:10 AM



#42
1,2-Dichloroethane
Concen: 20.009 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.952 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

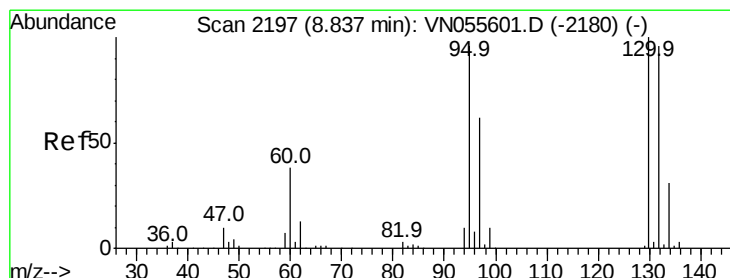
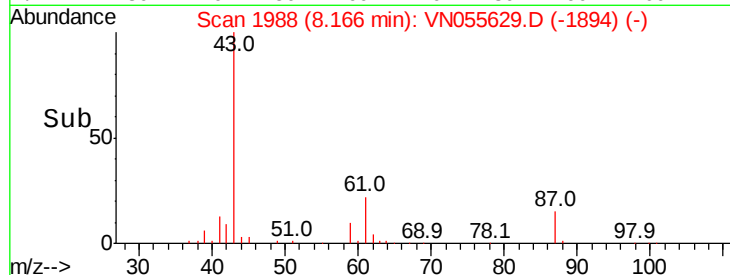
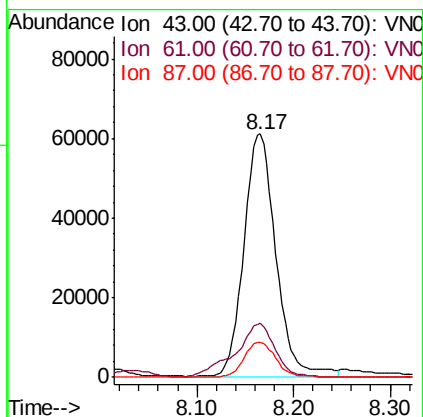
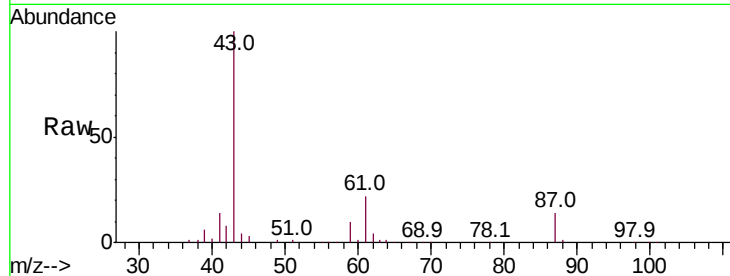
ClientSampleId :

VN0517MBSD01

Tot Ion:	43	Resp:	140183
Ion	Ratio	Lower	Upper
43	100		
61	27.0	22.1	33.1
87	14.4	11.8	17.6

Manual Integrations
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#44

Trichloroethene

Concen: 19.515 ug/l

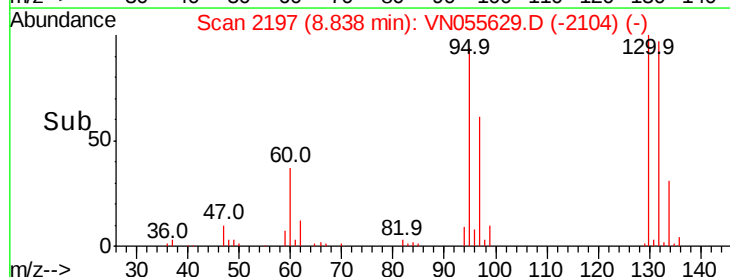
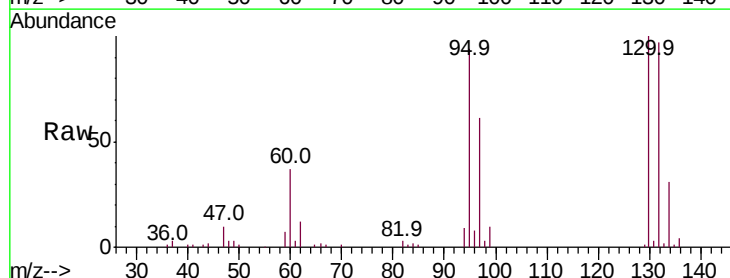
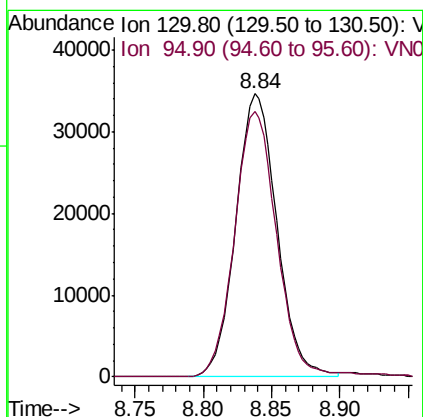
RT: 8.84 min Scan# 2197

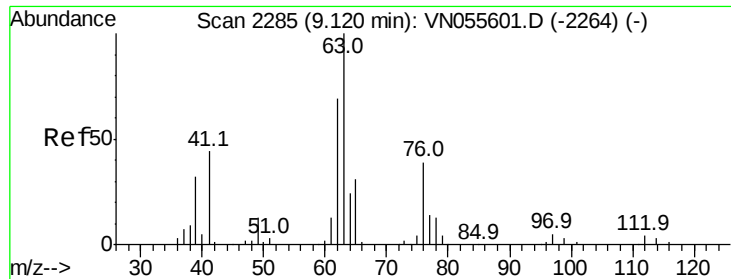
Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion:	130	Resp:	72499
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	191.0





#45

1,2-Dichloropropane

Concen: 19.616 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampled :

VN0517MBSD01

Tot Ion: 63 Resp: 68035

Ion Ratio Lower Upper

63 100

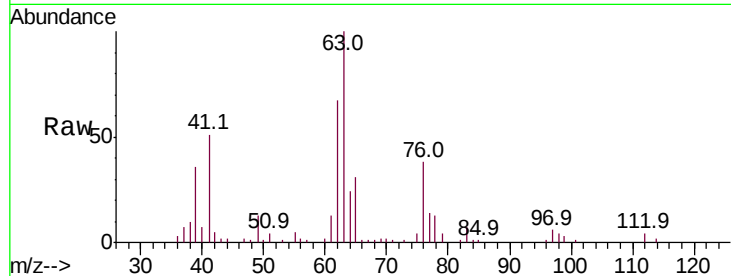
65 30.5 25.2 37.8

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Abundance Ion 62.90 (62.60 to 63.60): VN055629.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN055629.D (-2192) (-)

9.12

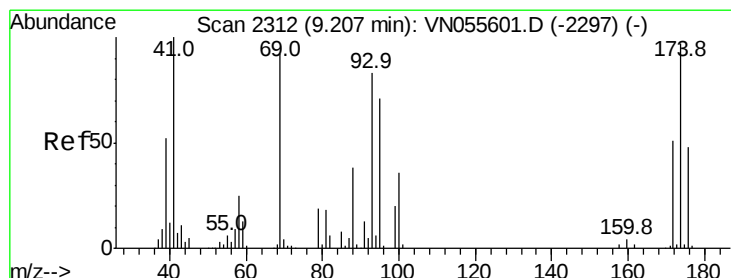
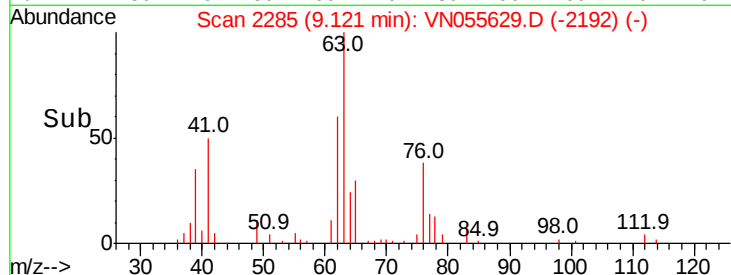
30000

20000

10000

0

Time--> 9.00 9.10 9.20



#46

Dibromomethane

Concen: 19.480 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

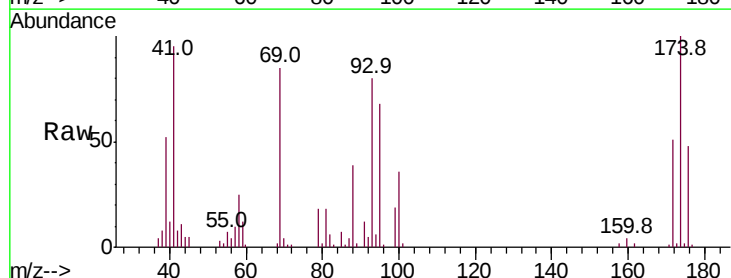
Tgt Ion: 93 Resp: 44221

Ion Ratio Lower Upper

93 100

95 85.3 67.9 101.9

174 121.4 93.8 140.6



Abundance Ion 92.80 (92.50 to 93.50): VN055629.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055629.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055629.D (-2219) (-)

9.21

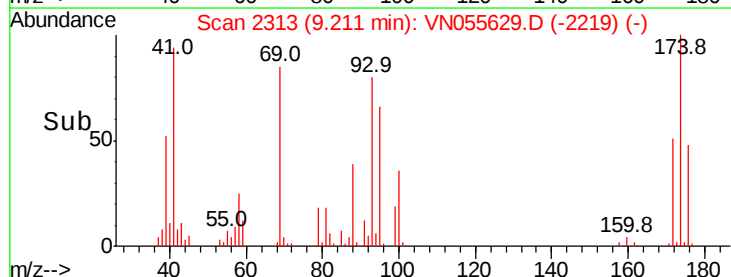
30000

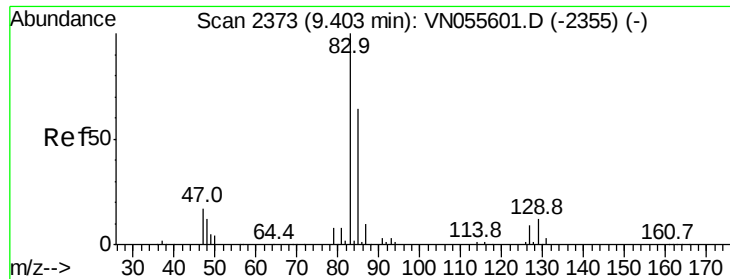
20000

10000

0

Time--> 9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 18.916 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

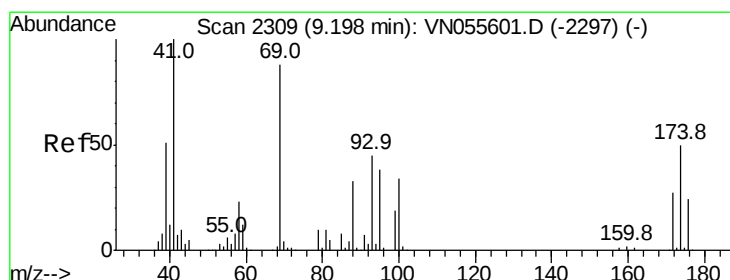
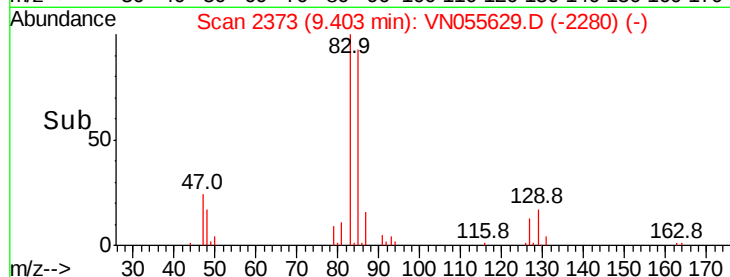
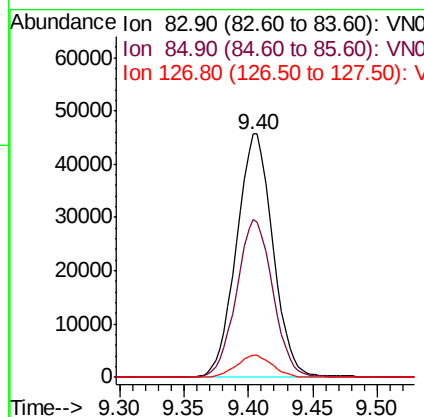
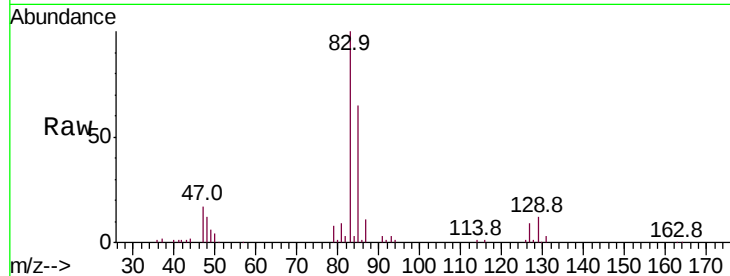
ClientSampleId :

VN0517MBSD01

Tot Ion:	83	Resp:	89995
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.4	77.0
127	9.0	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.579 ug/l

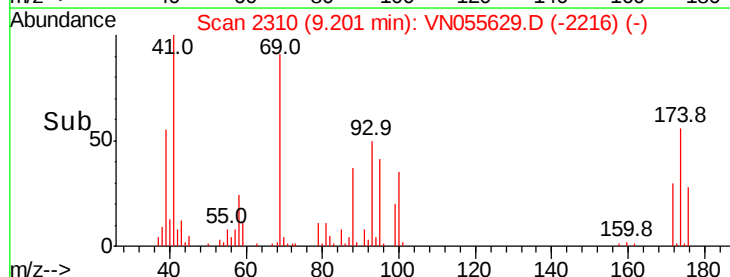
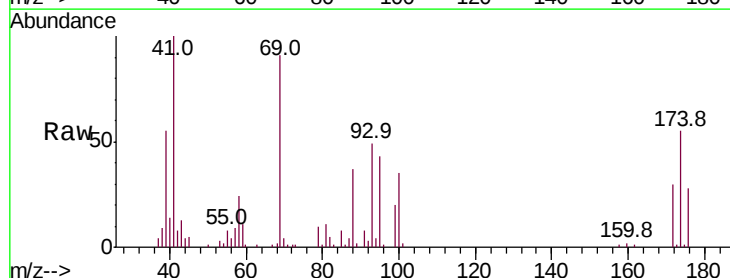
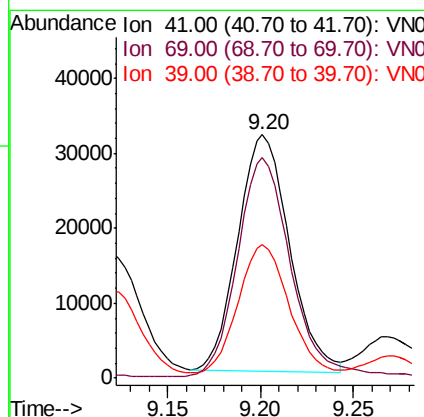
RT: 9.20 min Scan# 2310

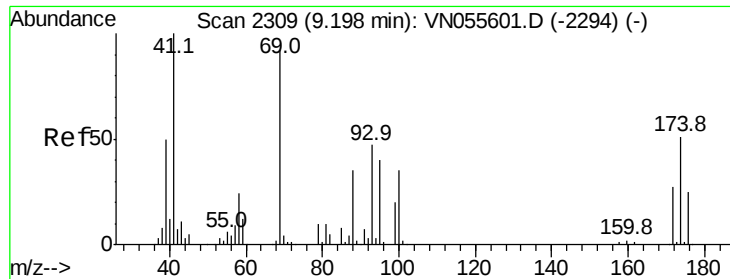
Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion:	41	Resp:	61486
Ion Ratio	Lower	Upper	
41	100		
69	96.7	74.2	111.2
39	56.8	43.8	65.8





#49

1,4-Dioxane

Concen: 426.726 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

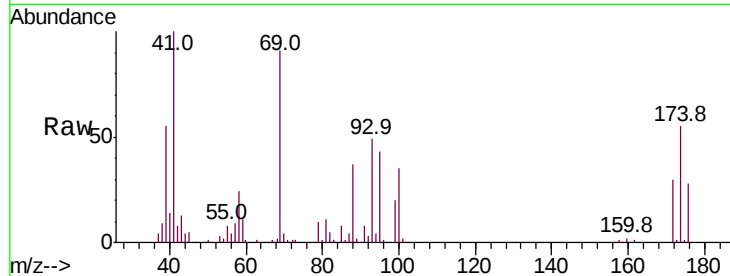
ClientSampleId :

VN0517MBSD01

Tot Ion:	88	Resp:	26629
Ion	Ratio	Lower	Upper
88	100		
43	27.6	22.4	33.6
58	67.7	53.4	80.2

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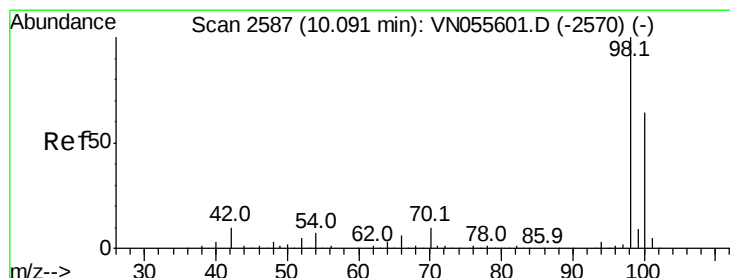
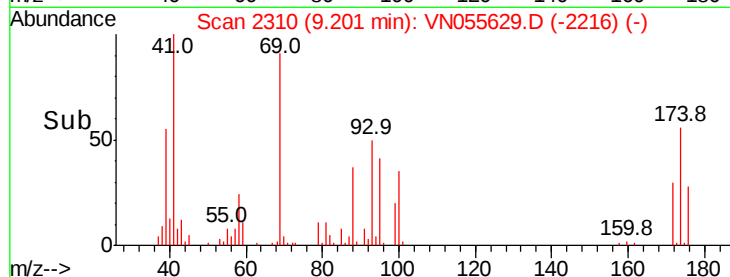
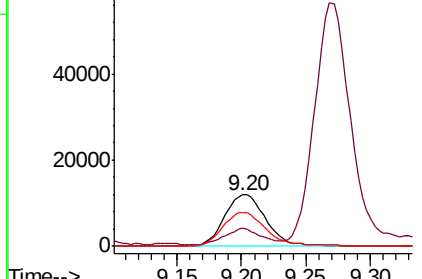
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Abundance Ion 88.00 (87.70 to 88.70): VN055601.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN055601.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN055601.D (-2294) (-)



#50

Toluene-d8

Concen: 49.087 ug/l

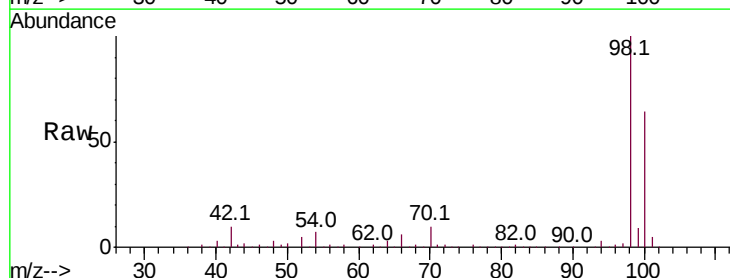
RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055629.D

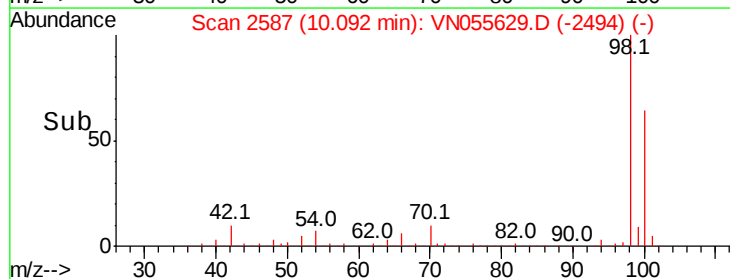
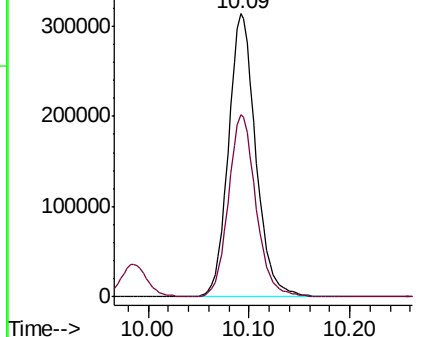
Acq: 17 May 2019 22:40

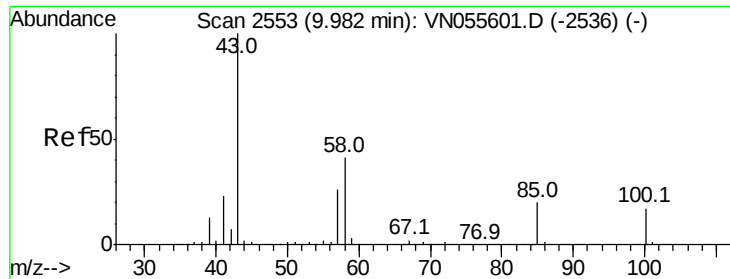
Tgt Ion:	98	Resp:	591948
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055601.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055601.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 99.252 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleID :

VN0517MBSD01

Tot Ion: 43 Resp: 409059

Ion Ratio Lower Upper

43 100

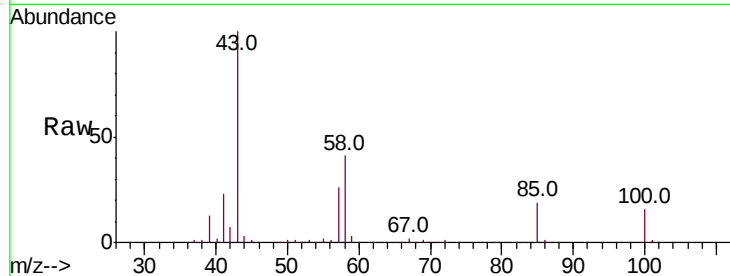
58 41.6 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

200000

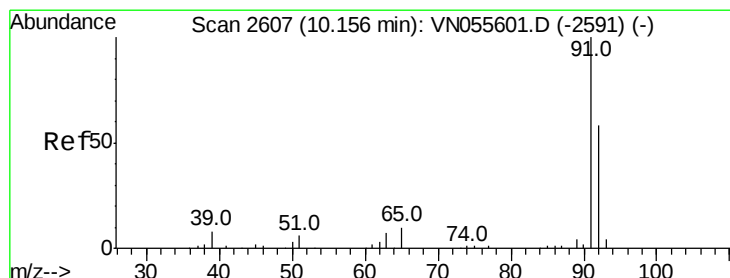
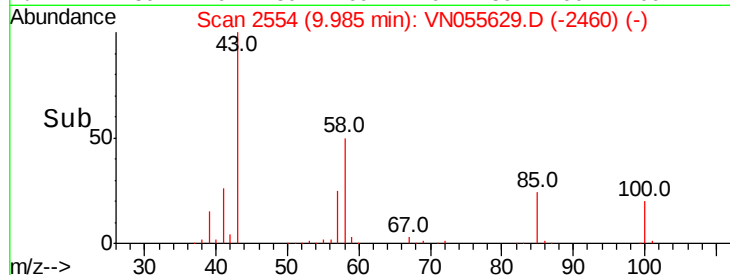
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.226 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN055629.D

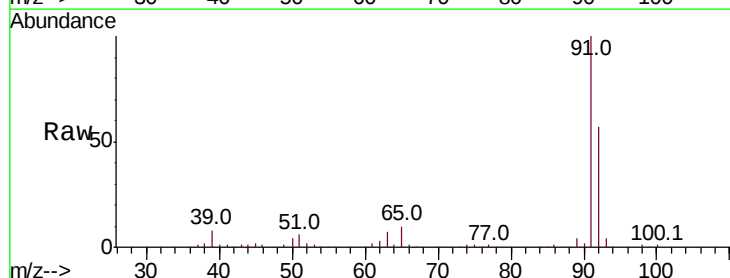
Acq: 17 May 2019 22:40

Tgt Ion: 92 Resp: 158763

Ion Ratio Lower Upper

92 100

91 174.6 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

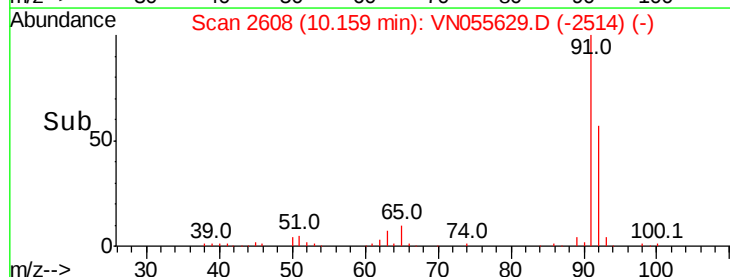
150000

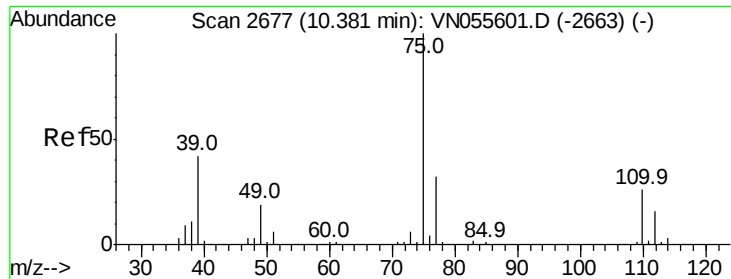
100000

50000

0

Time-->





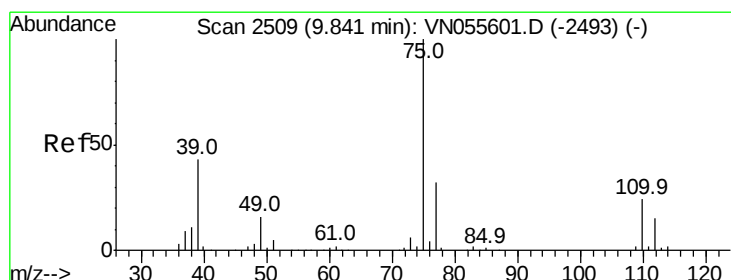
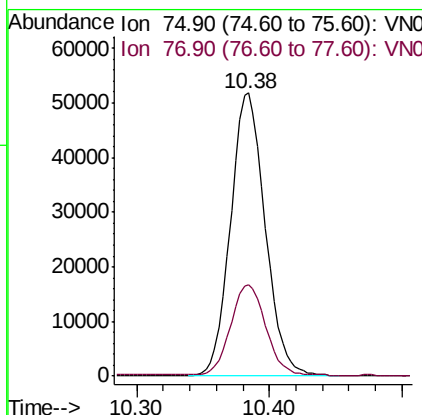
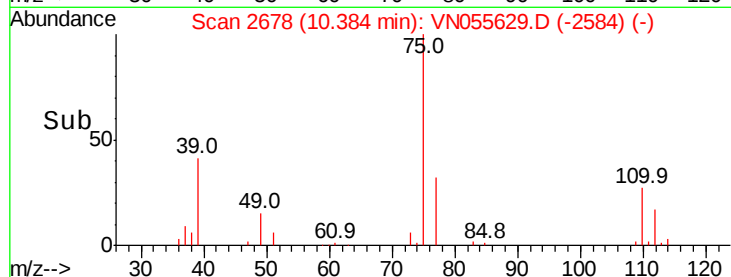
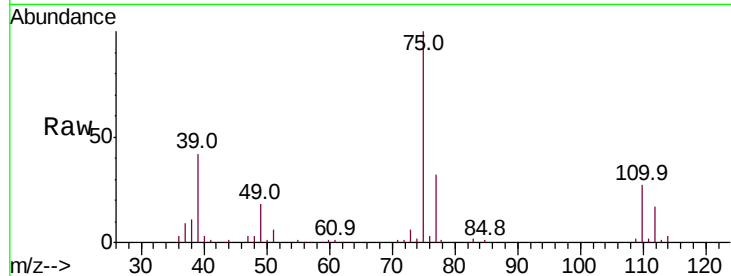
#53
 t-1,3-Dichloropropene
 Concen: 18.387 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBSD01

Tot Ion	75	Resp	Lower	Upper
75	100			
77	32.1	25.4	38.2	

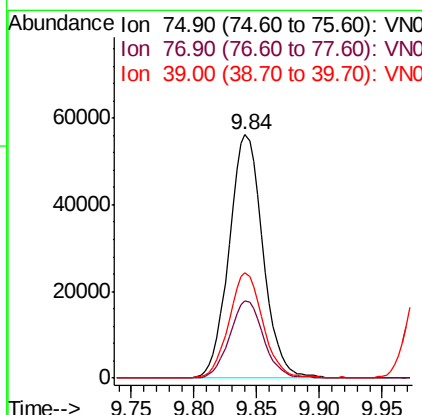
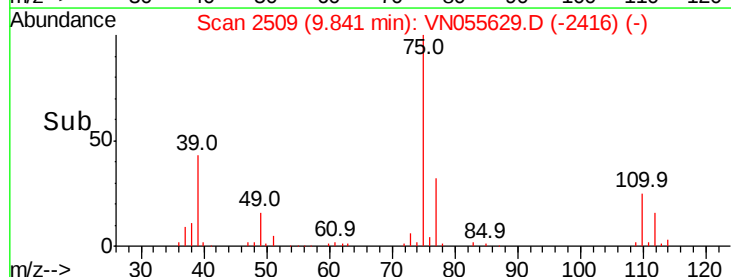
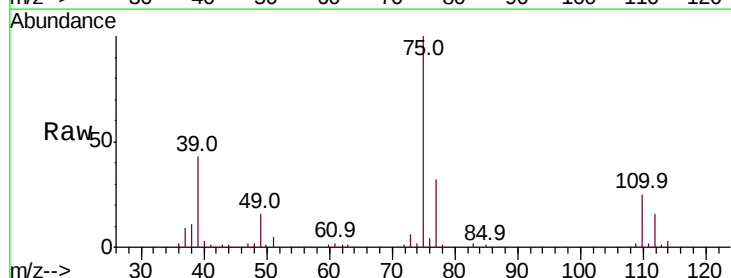
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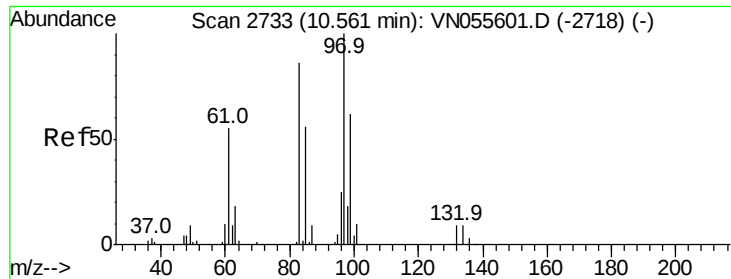
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#54
 cis-1,3-Dichloropropene
 Concen: 18.735 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion	75	Resp	Lower	Upper
75	100			
77	31.7	25.7	38.5	
39	42.8	34.7	52.1	





#55

1,1,2-Trichloroethane

Concen: 19.393 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

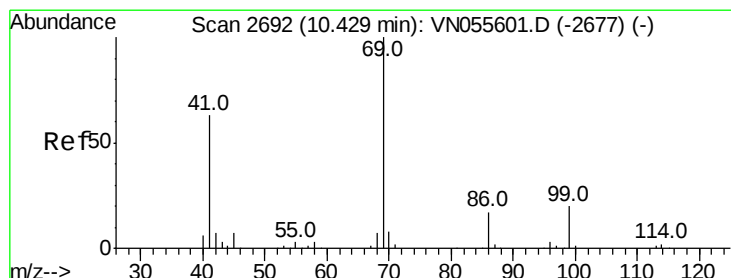
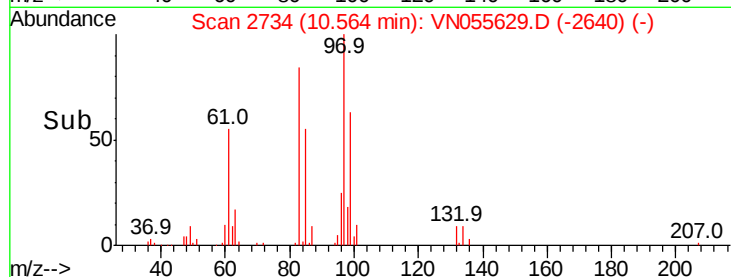
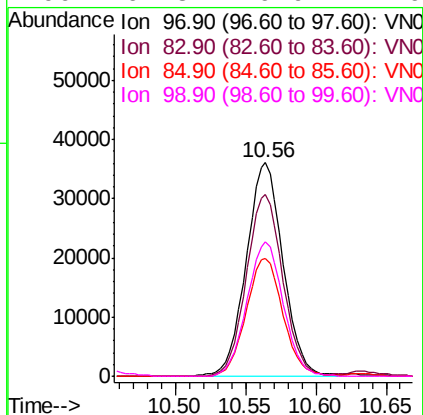
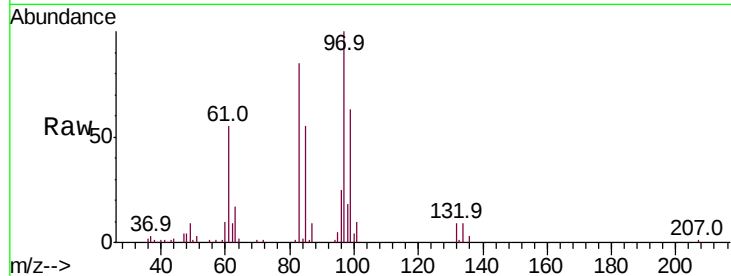
ClientSampleId :

VN0517MBSD01

Tot Ion:	97	Resp:	65929
Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.4	102.6
85	55.4	44.8	67.2
99	62.8	49.9	74.9

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#56

Ethyl methacrylate

Concen: 19.032 ug/l

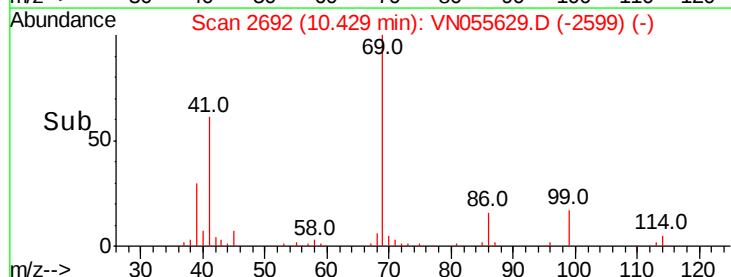
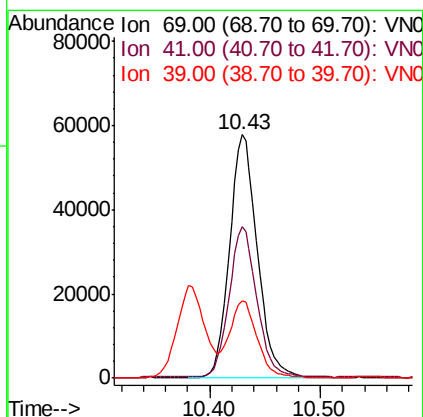
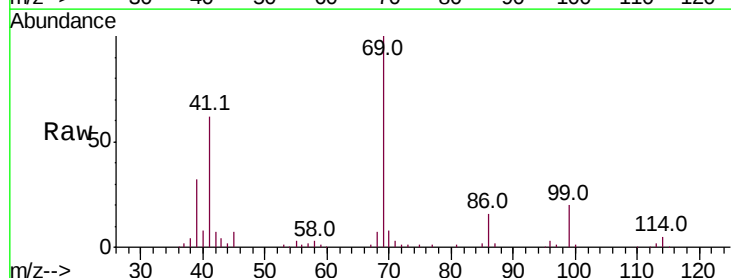
RT: 10.43 min Scan# 2692

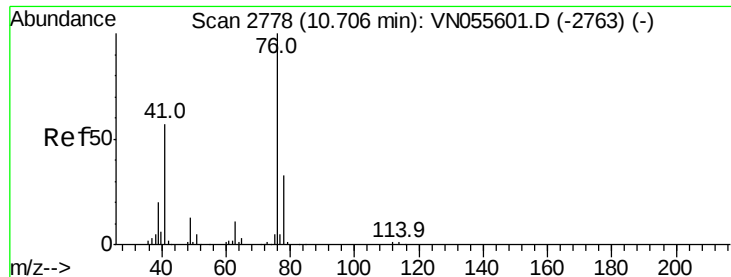
Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion:	69	Resp:	101001
Ion	Ratio	Lower	Upper
69	100		
41	60.6	50.3	75.5
39	31.8	25.4	38.2





#57

1,3-Dichloropropane

Concen: 19.517 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion: 76 Resp: 105084

Ion Ratio Lower Upper

76 100

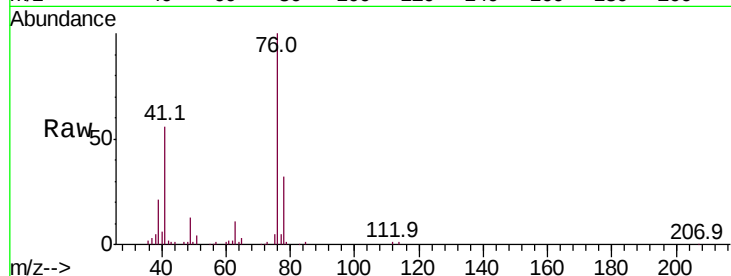
78 32.9 26.5 39.7

Manual Integrations

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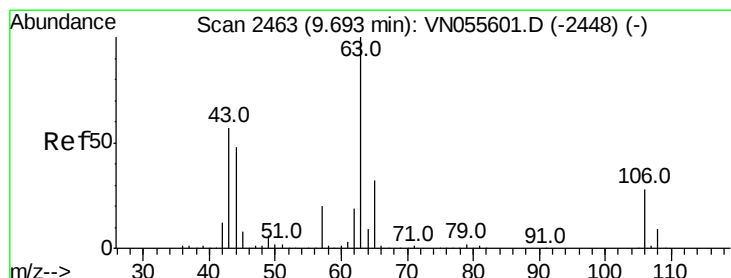
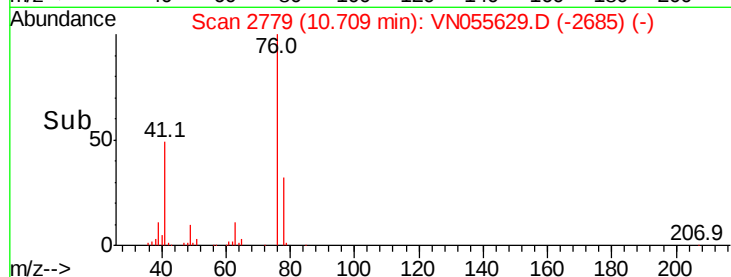
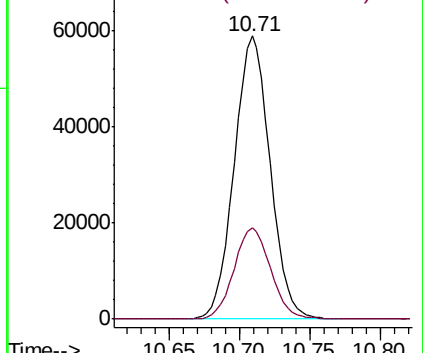
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.845 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055629.D

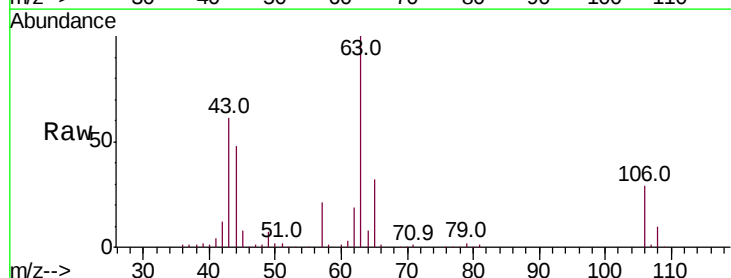
Acq: 17 May 2019 22:40

Tgt Ion: 63 Resp: 220630

Ion Ratio Lower Upper

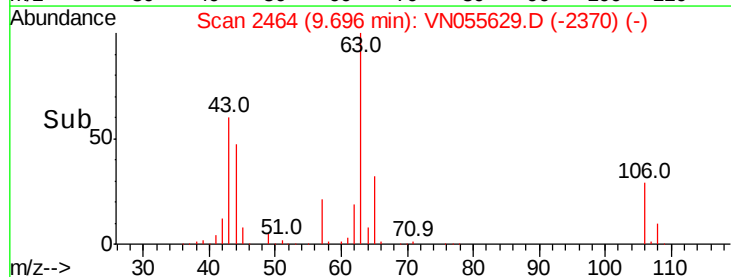
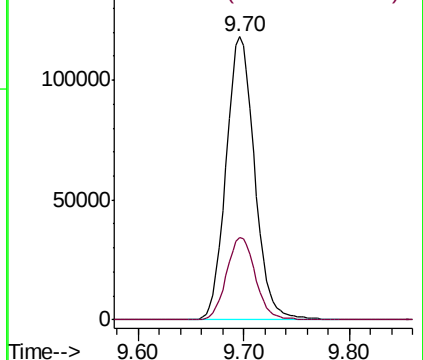
63 100

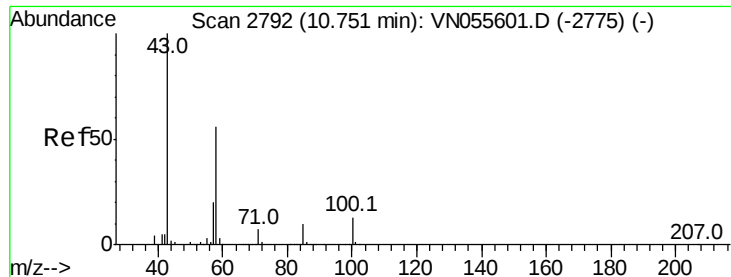
106 29.6 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





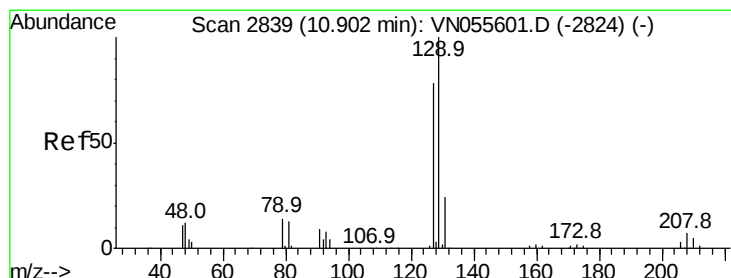
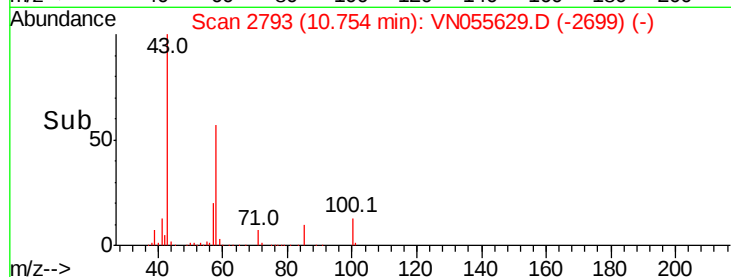
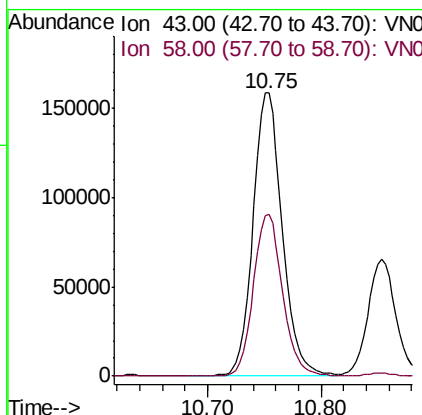
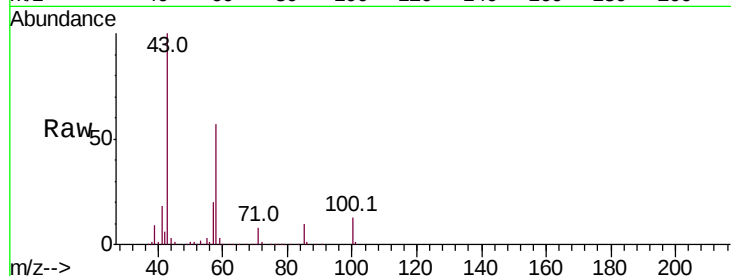
#59
2-Hexanone
Concen: 97.744 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampled :
VN0517MBSD01

Tot Ion: 43 Resp: 283622
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.4

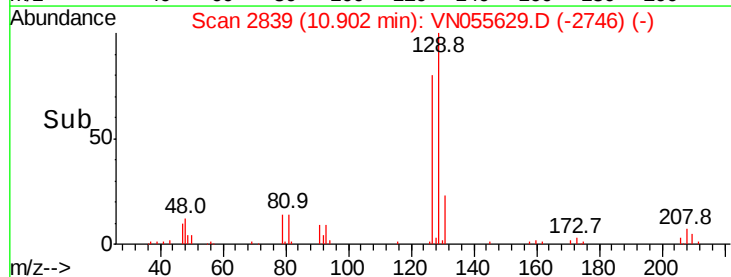
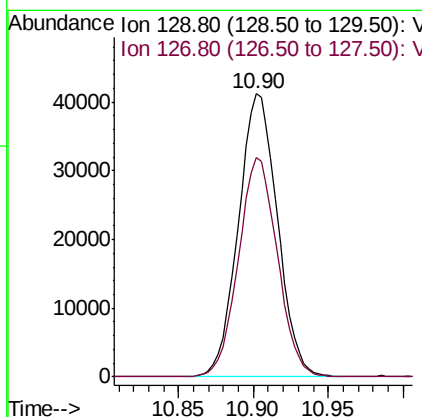
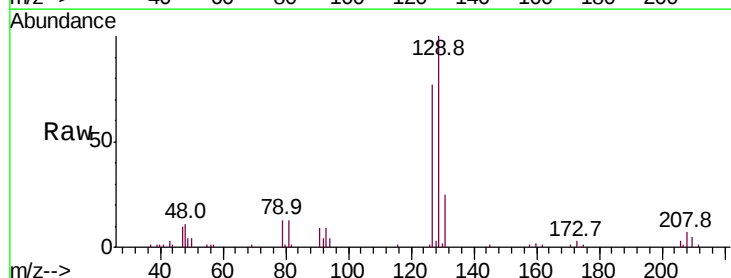
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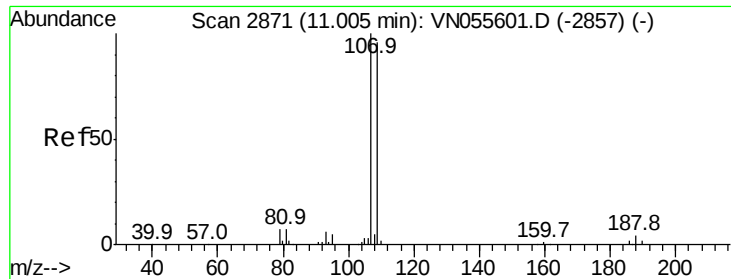
MMDadoda
5/20/2019 9:09:10 AM



#60
Dibromochloromethane
Concen: 19.457 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion: 129 Resp: 74966
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.784 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion: 107 Resp: 67295

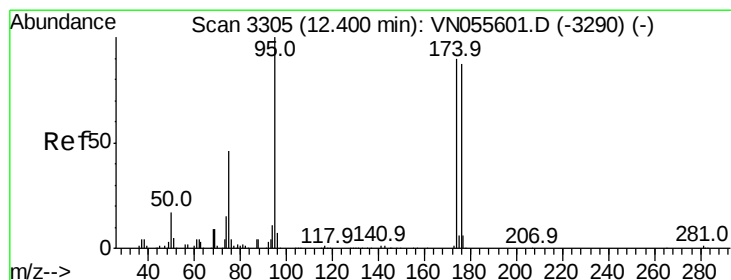
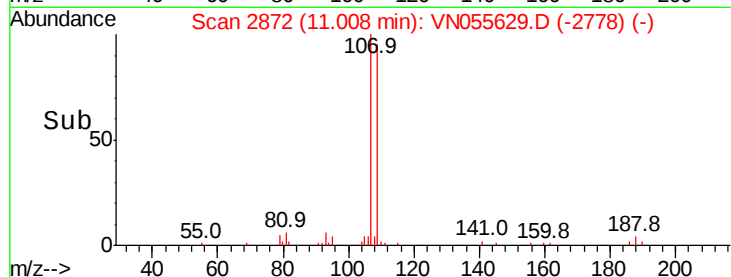
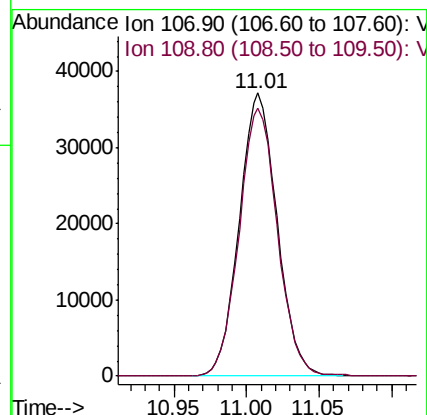
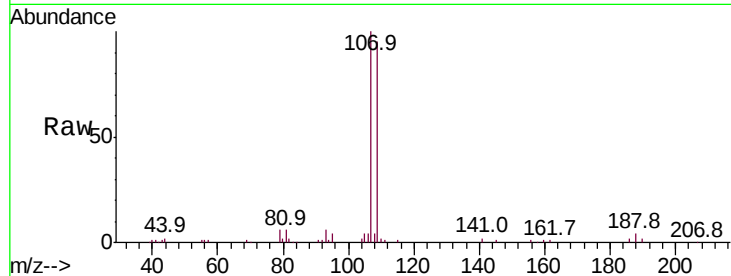
Ion Ratio Lower Upper

107 100

109 96.0 75.6 113.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 48.763 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

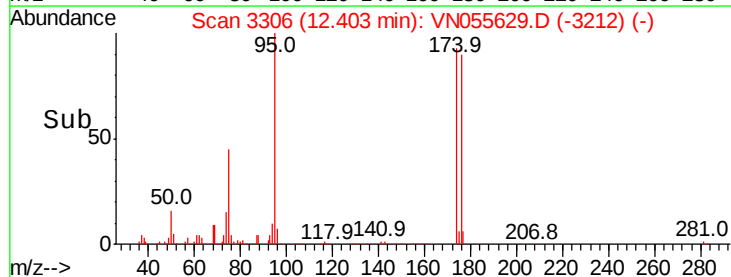
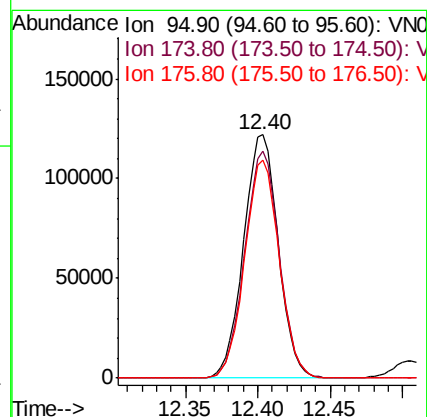
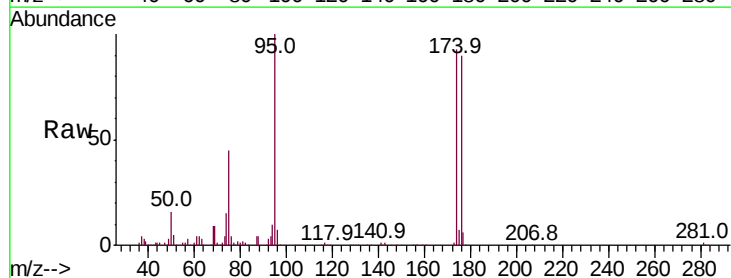
Tgt Ion: 95 Resp: 203058

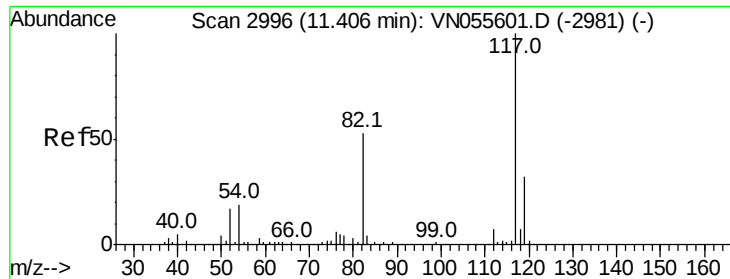
Ion Ratio Lower Upper

95 100

174 92.8 0.0 180.6

176 89.2 0.0 177.4





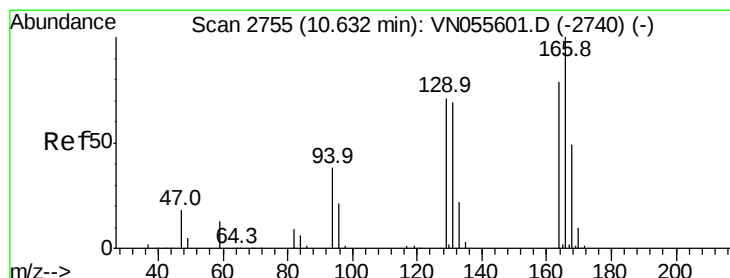
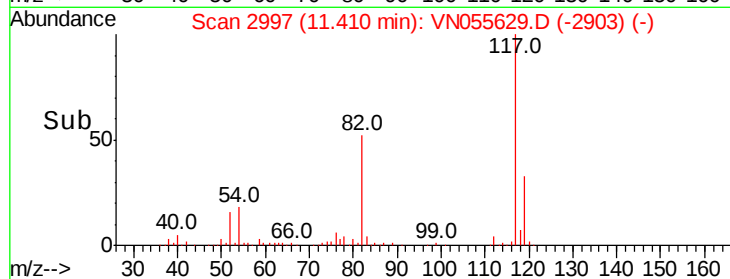
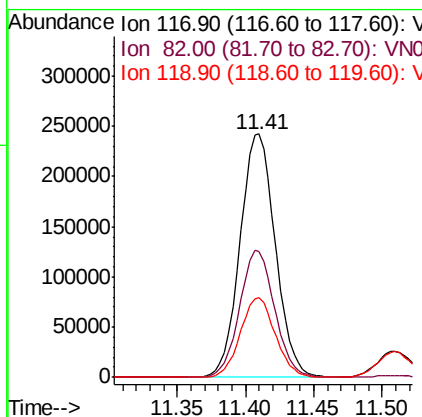
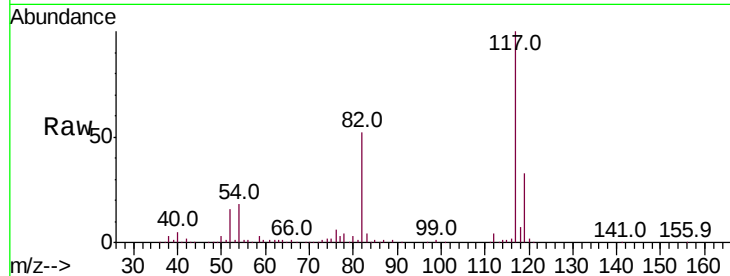
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.3	63.5
119	32.6	25.4	38.2

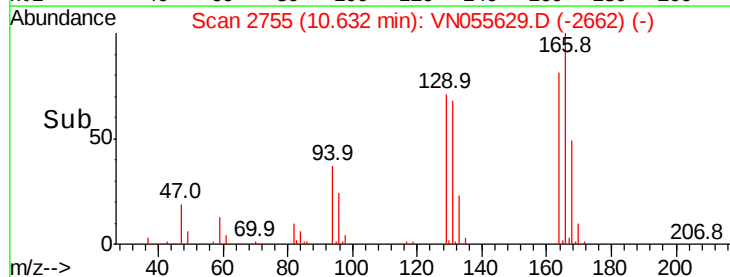
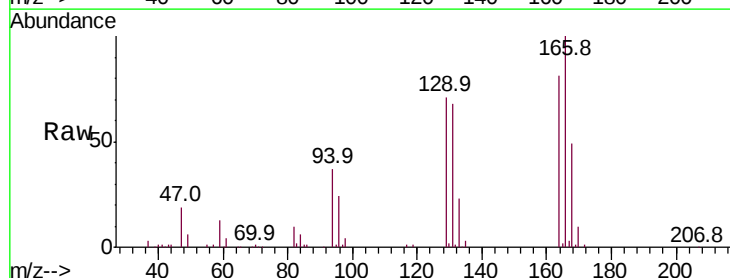
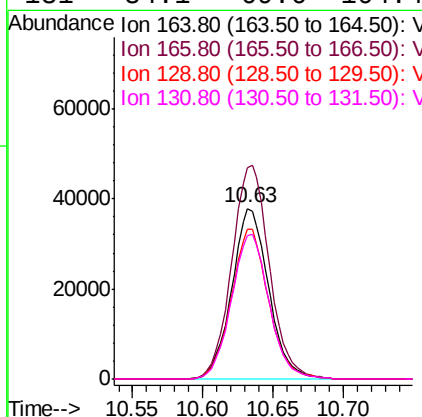
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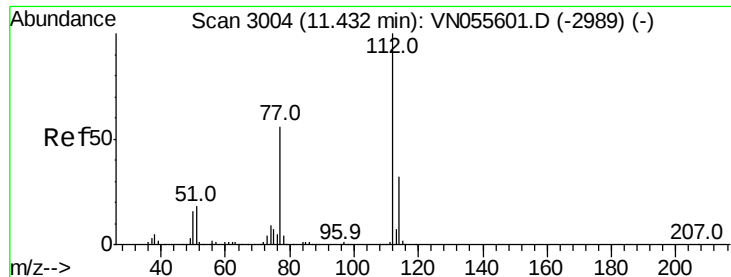
MMDadoda
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#64
Tetrachloroethene
Concen: 20.173 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	101.0	151.6
129	87.9	71.7	107.5
131	84.1	69.6	104.4





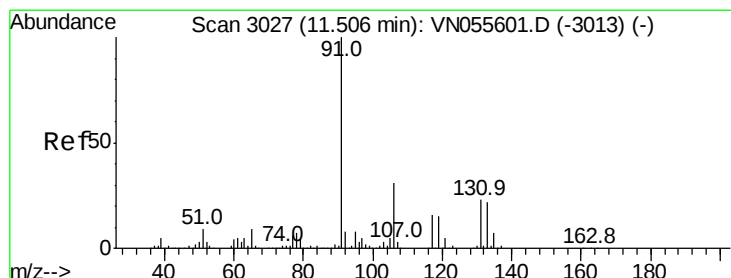
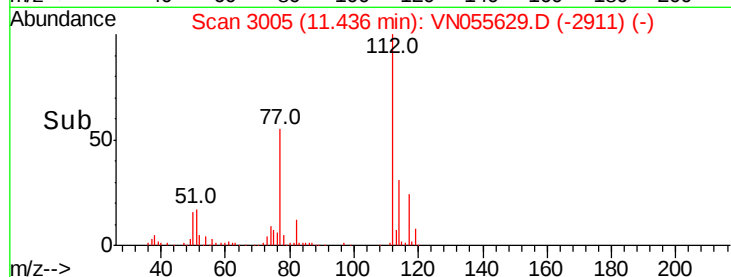
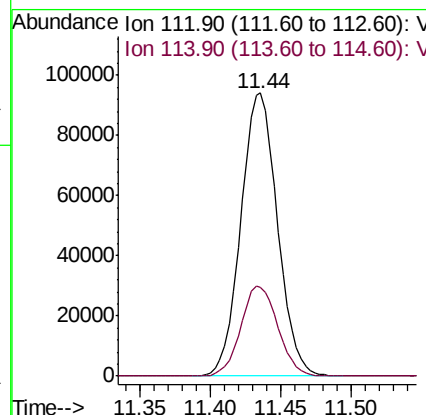
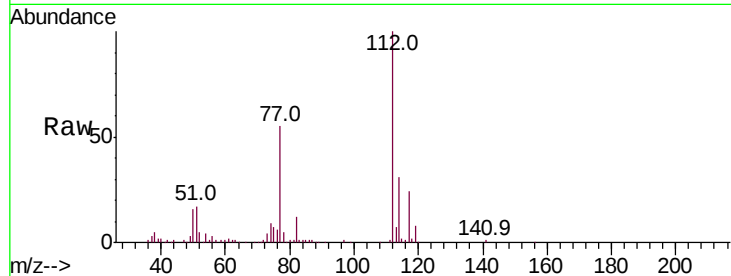
#65
Chlorobenzene
Concen: 19.427 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampled :
VN0517MBSD01

Tot Ion:112 Resp: 170929
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4

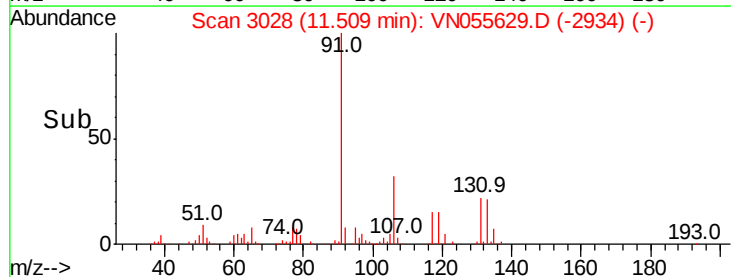
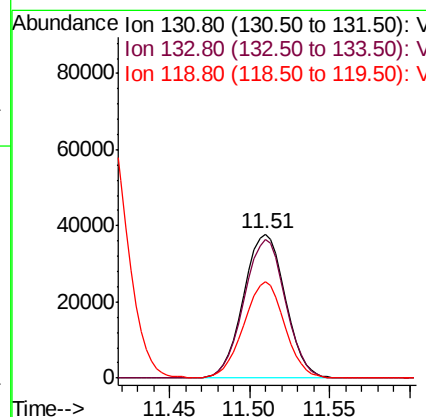
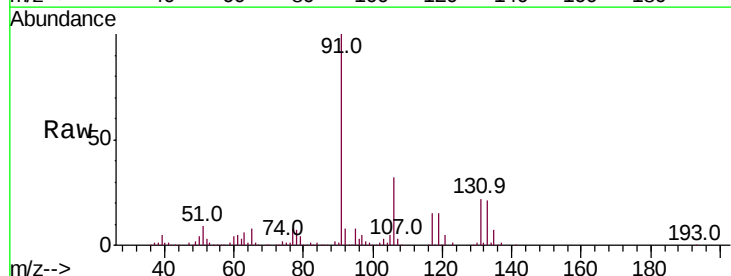
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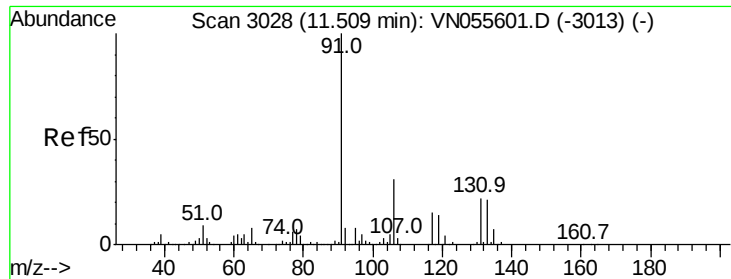
MMDadoda
5/20/2019 9:09:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.093 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion:131 Resp: 67579
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.4
119 65.5 33.3 99.8





#67

Ethyl Benzene

Concen: 19.024 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion: 91 Resp: 298168

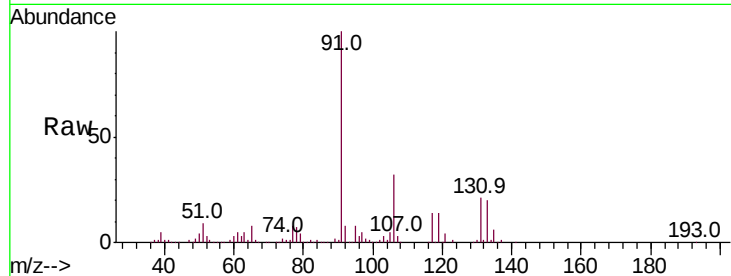
Ion Ratio Lower Upper

91 100

106 32.2 25.2 37.8

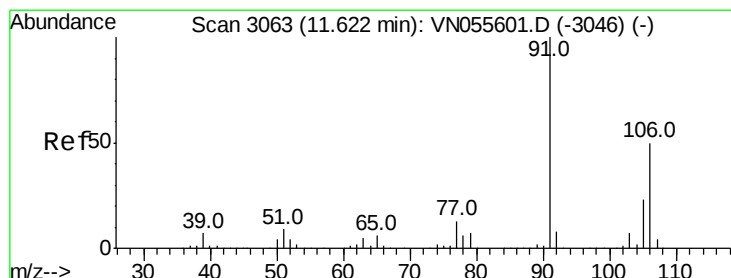
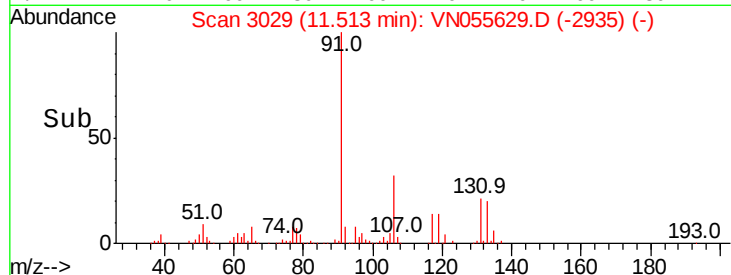
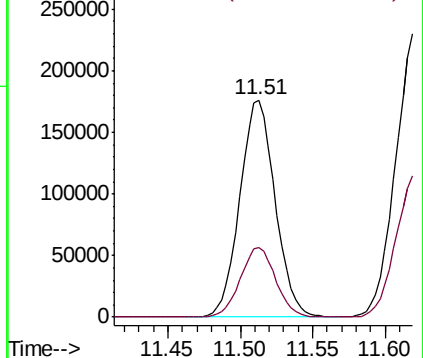
Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:09:10 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055601.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN055629.D (-2935) (-)



#68

m/p-Xylenes

Concen: 38.195 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055629.D

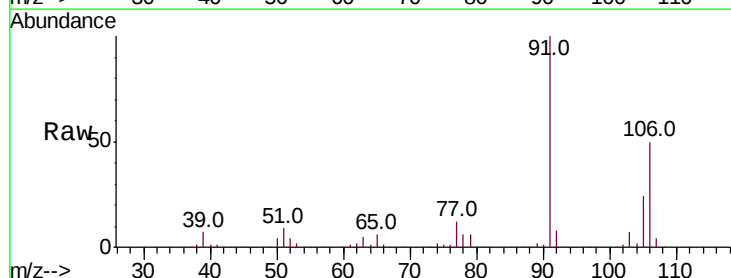
Acq: 17 May 2019 22:40

Tgt Ion: 106 Resp: 226071

Ion Ratio Lower Upper

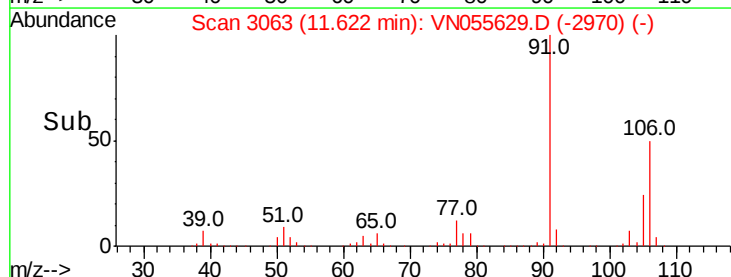
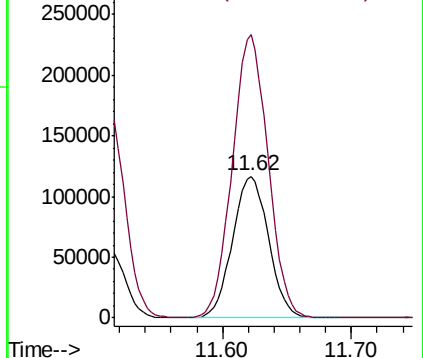
106 100

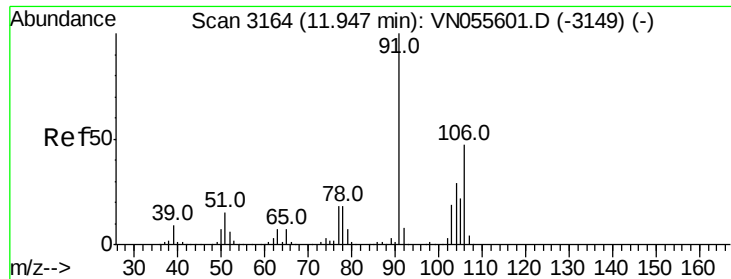
91 198.5 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): VN055629.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN055601.D (-3046) (-)





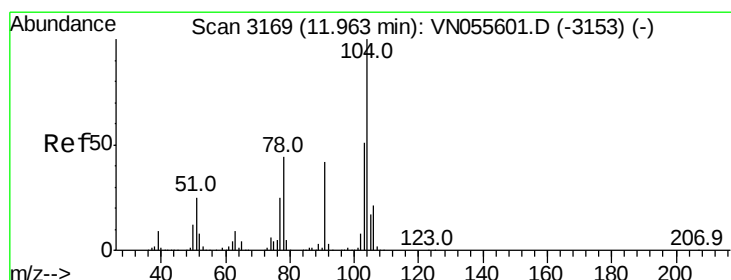
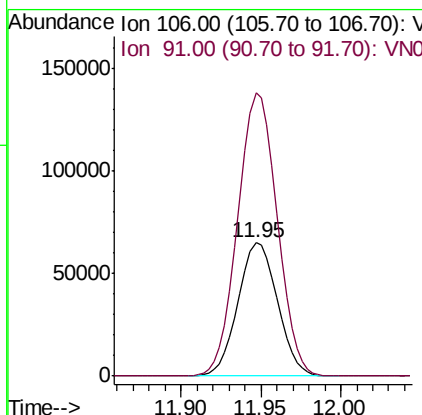
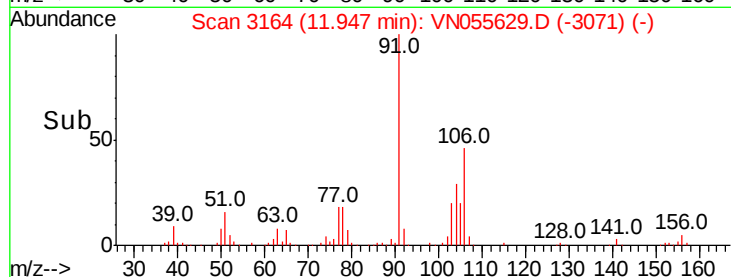
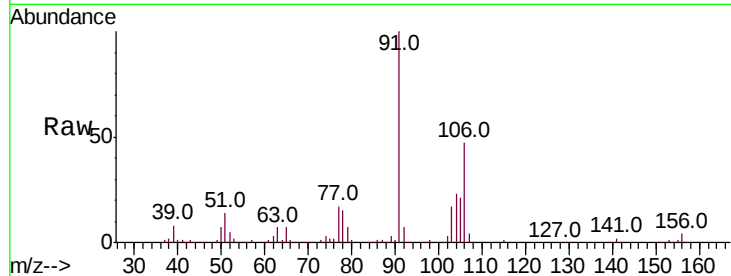
#69
o-Xylene
Concen: 18.912 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion:106 Resp: 109485
Ion Ratio Lower Upper
106 100
91 213.0 106.7 320.2

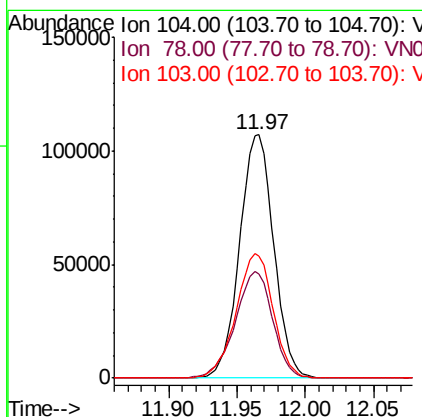
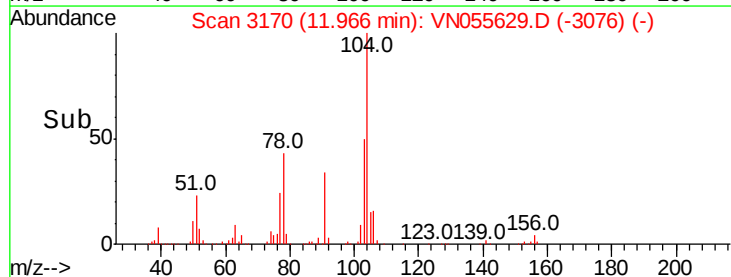
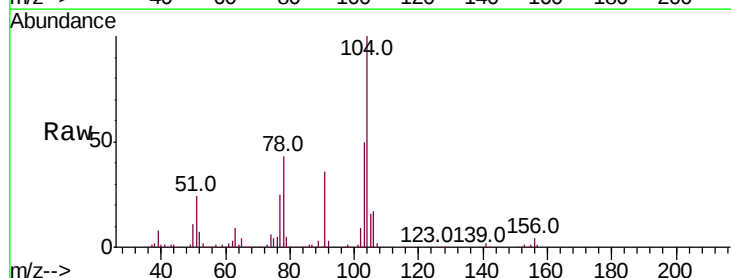
Manual Integrations
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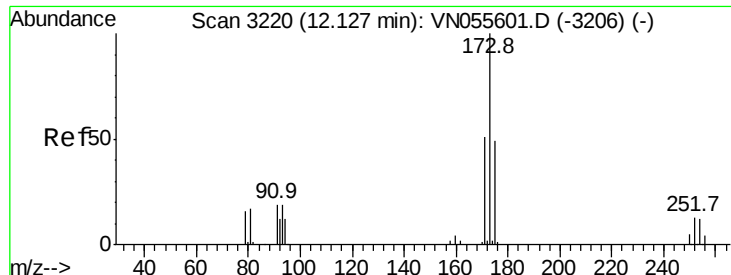
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#70
Styrene
Concen: 19.353 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion:104 Resp: 186285
Ion Ratio Lower Upper
104 100
78 47.9 38.6 58.0
103 55.5 44.4 66.6





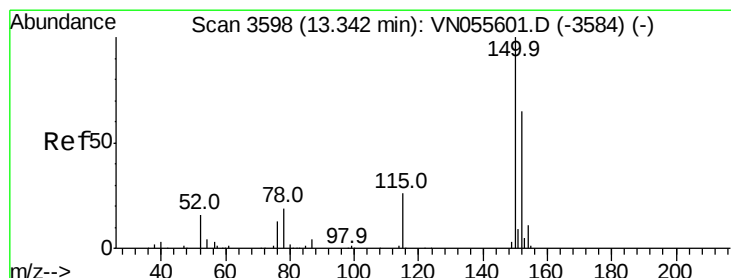
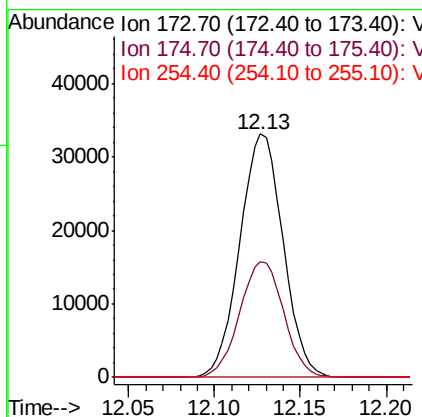
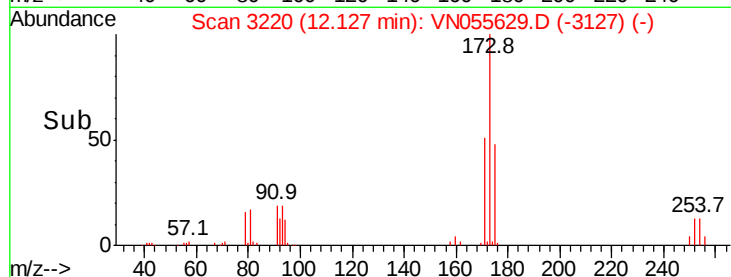
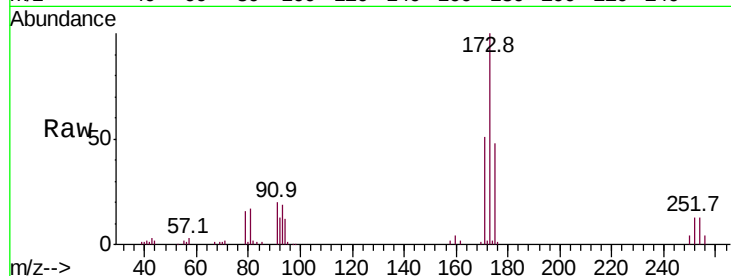
#71
Bromoform
Concen: 19.312 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.9
254	0.0	0.1	0.1#

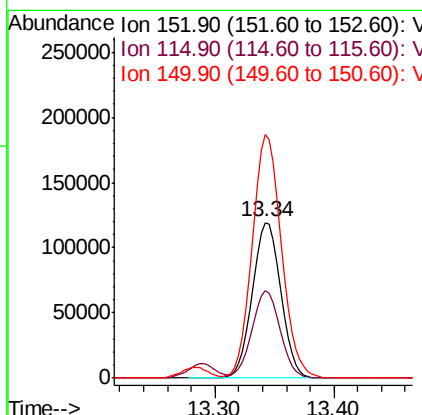
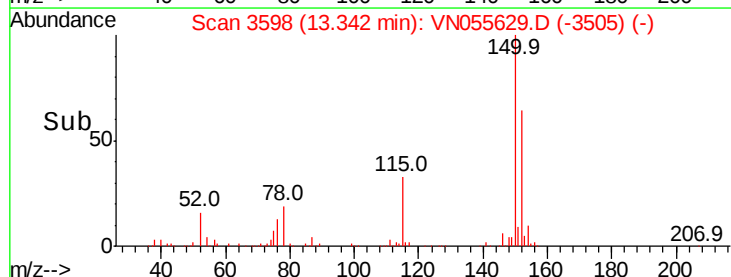
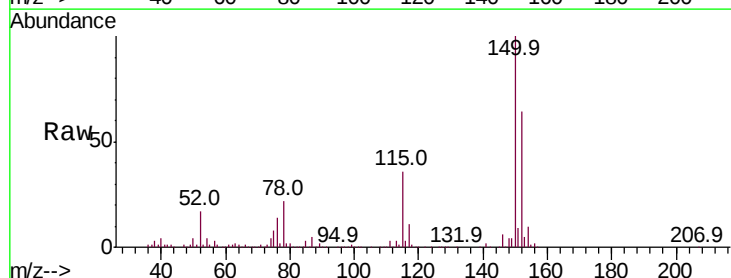
Manual Integrations
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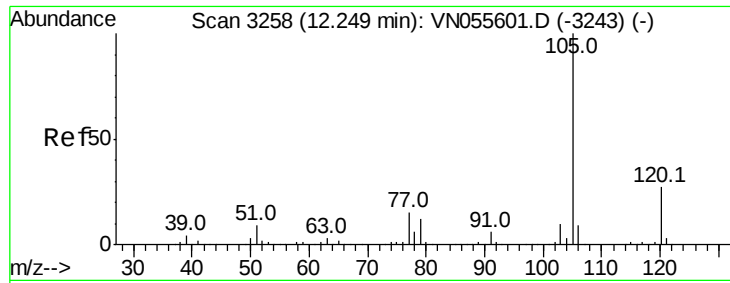
MMDadoda
5/20/2019 9:09:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.1	84.2
150	160.2	0.0	348.0





#73

Isopropylbenzene

Concen: 19.512 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion:105 Resp: 292237

Ion Ratio Lower Upper

105 100

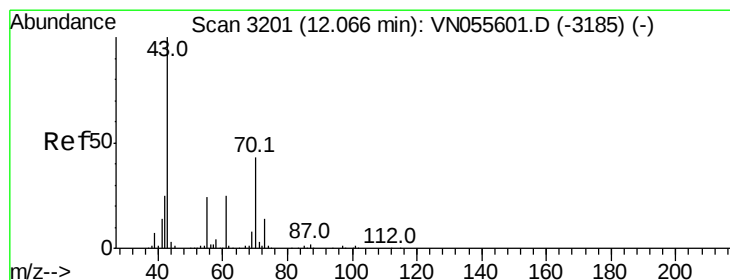
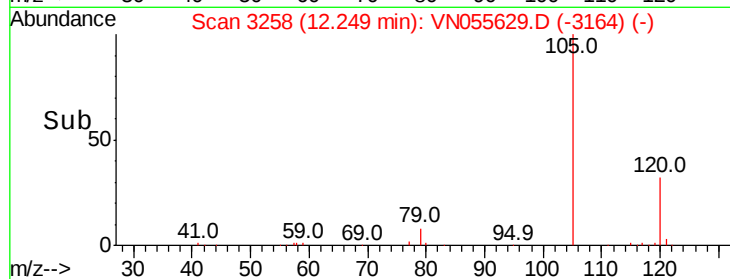
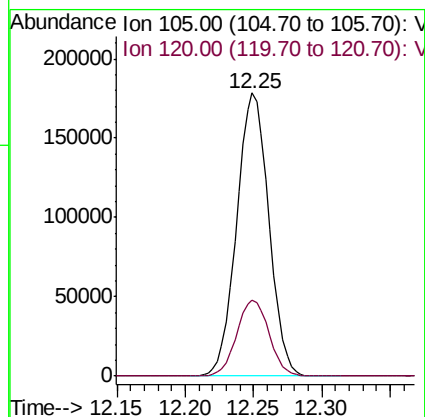
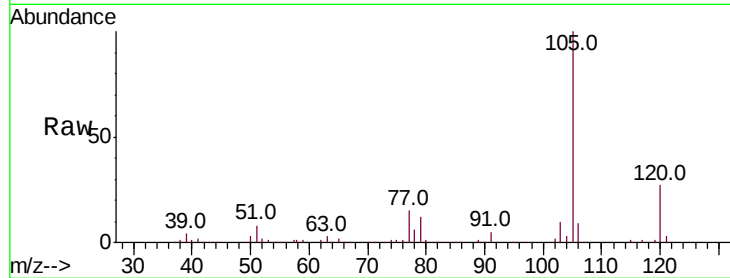
120 26.9 13.4 40.2

Manual Integrations

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5/20/2019 9:09:10 AM



#74

N-ethyl acetate

Concen: 18.587 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion: 43 Resp: 103590

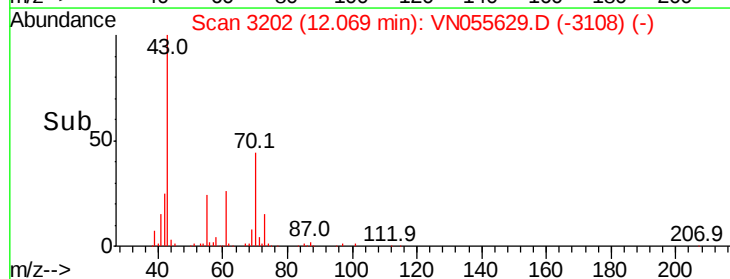
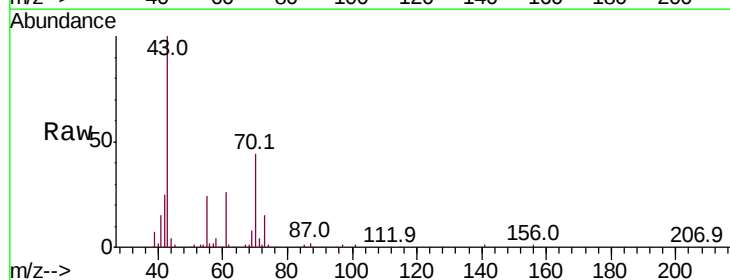
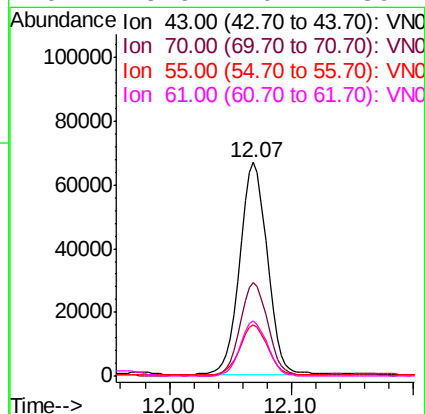
Ion Ratio Lower Upper

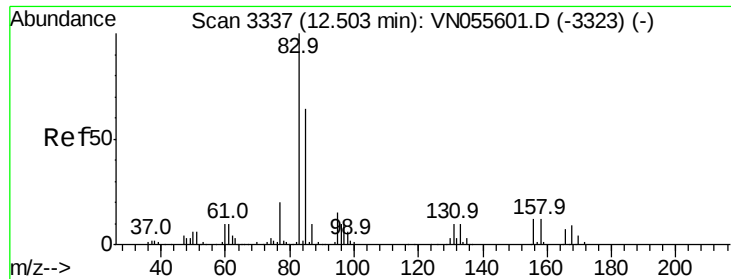
43 100

70 43.7 35.0 52.6

55 23.7 18.9 28.3

61 25.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.597 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

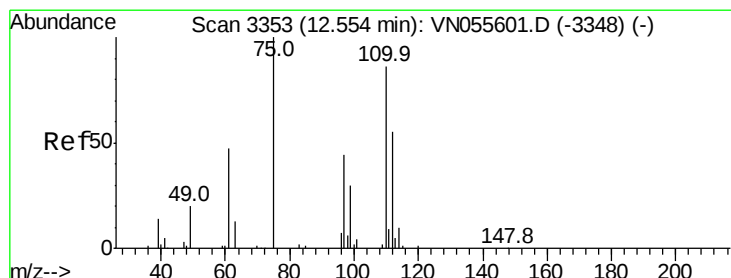
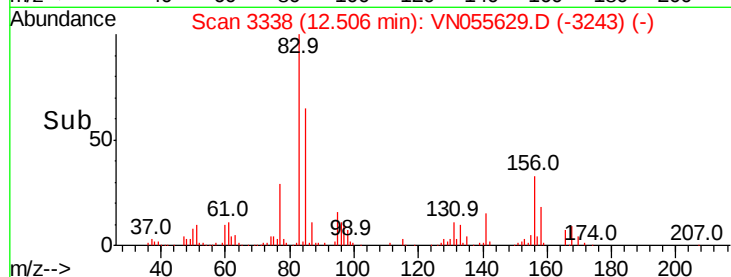
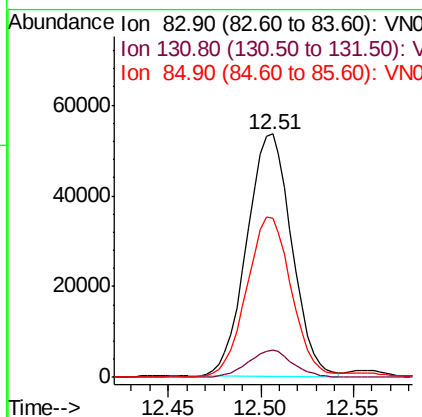
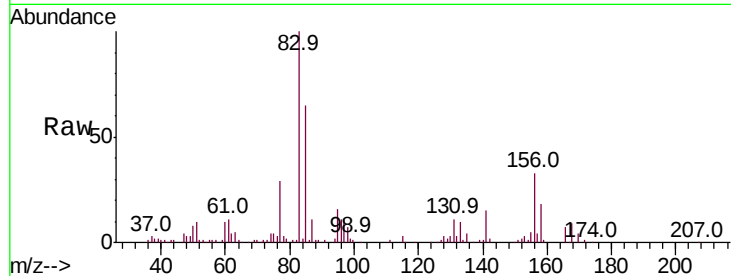
ClientSampled :

VN0517MBSD01

Tot Ion:	83	Resp:	90561
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.3	16.1
85	65.0	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 18.997 ug/l m

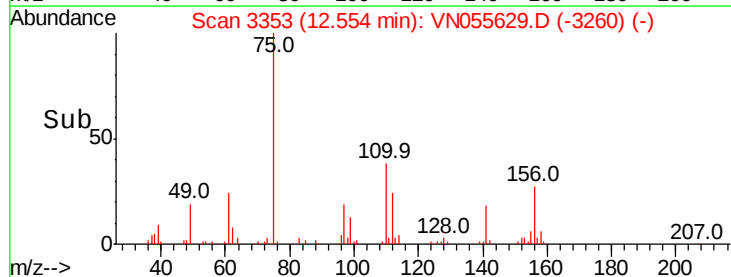
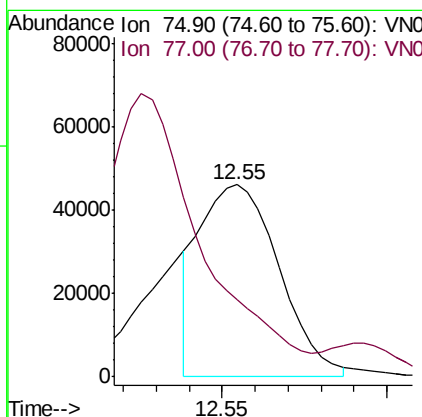
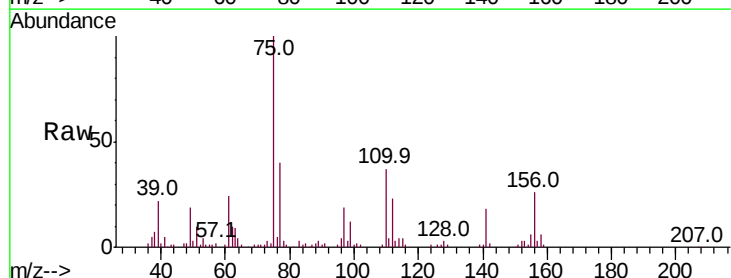
RT: 12.55 min Scan# 3353

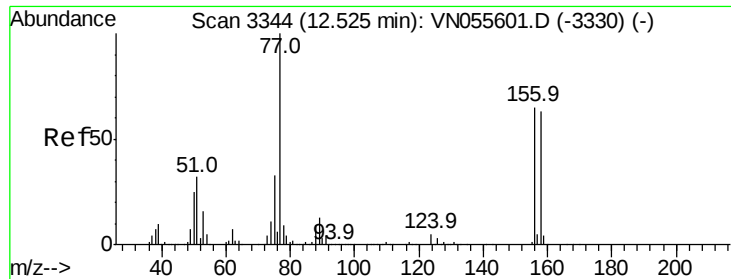
Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion:	75	Resp:	76939
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 35.670 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

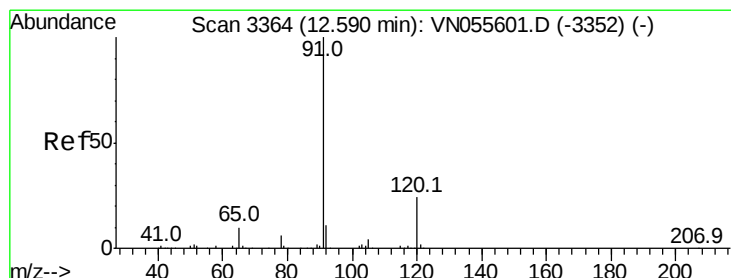
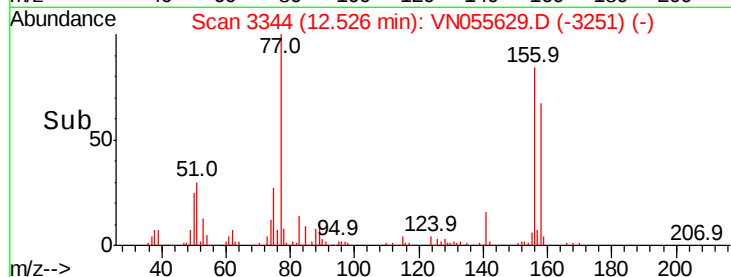
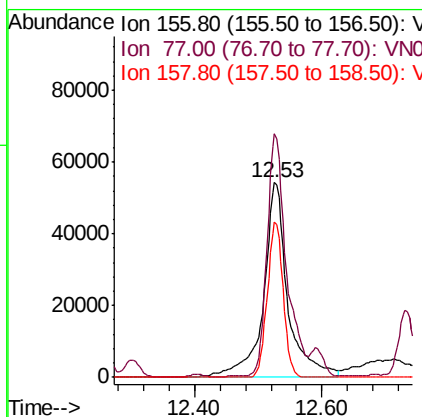
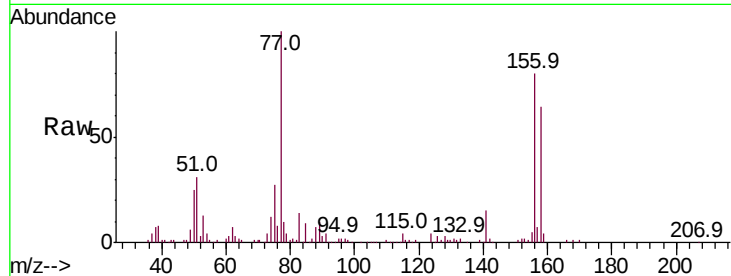
ClientSampleId :

VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	98.1	94.5	283.5
158	51.6	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 18.097 ug/l

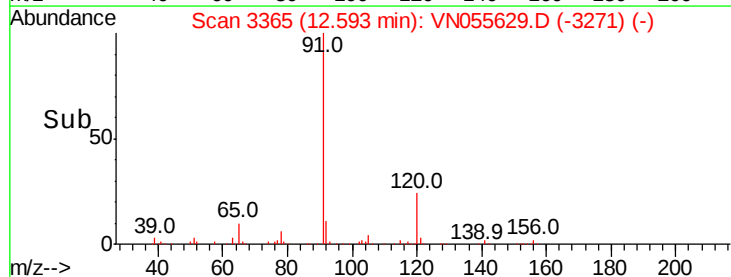
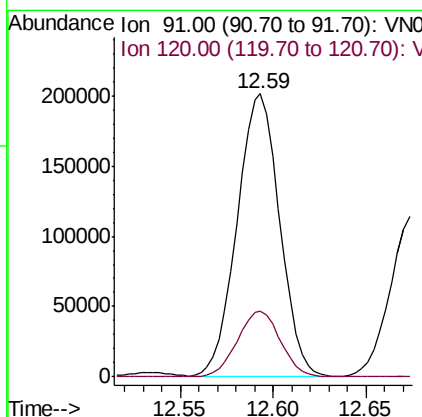
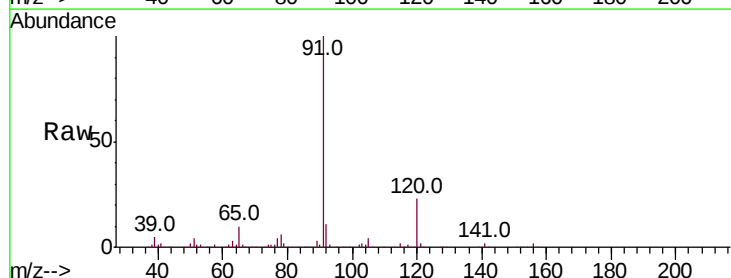
RT: 12.59 min Scan# 3365

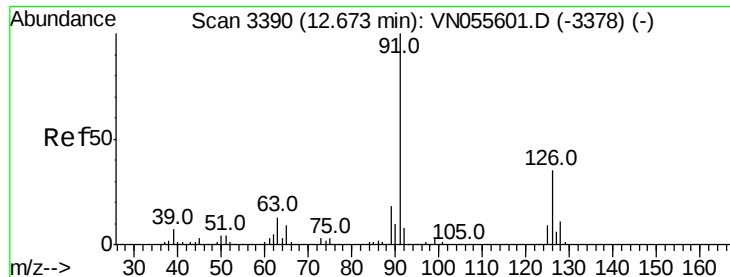
Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.146 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion: 91 Resp: 190394

Ion Ratio Lower Upper

91 100

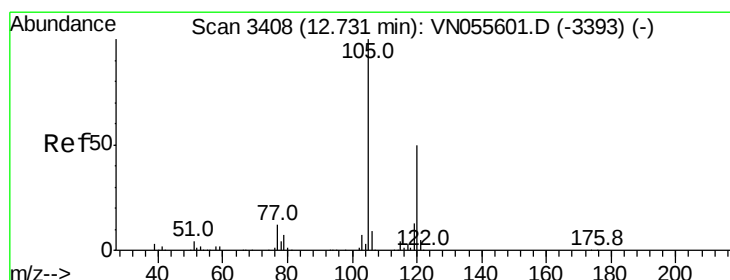
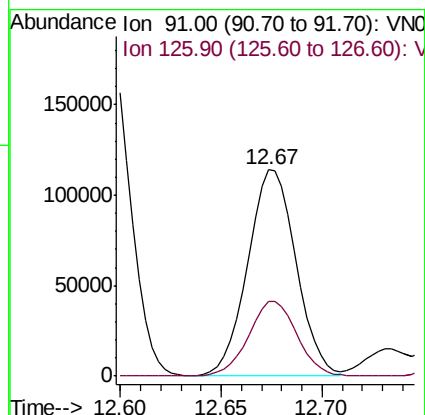
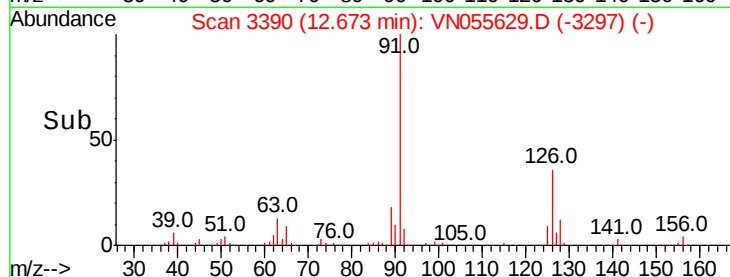
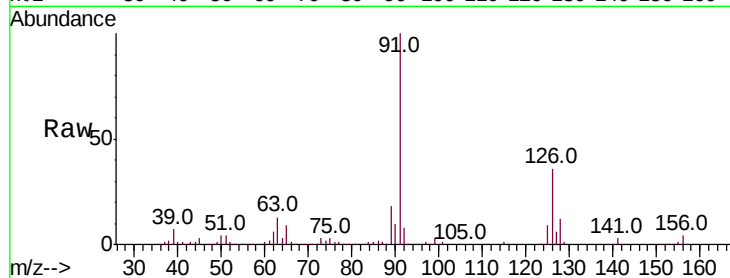
126 36.6 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.150 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055629.D

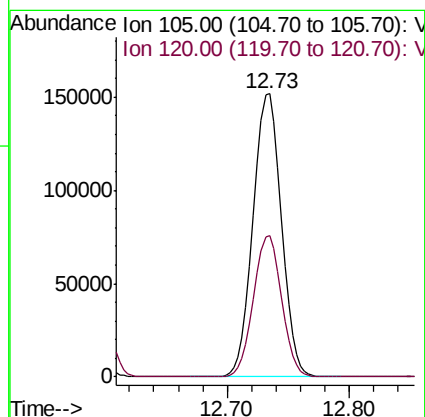
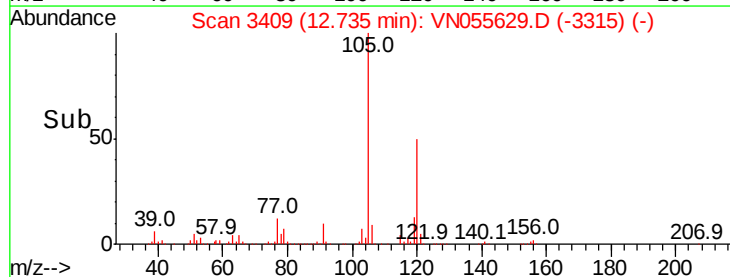
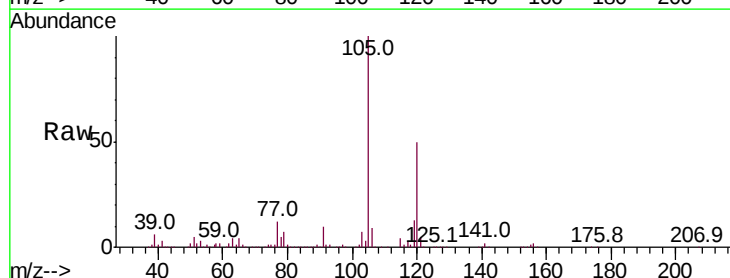
Acq: 17 May 2019 22:40

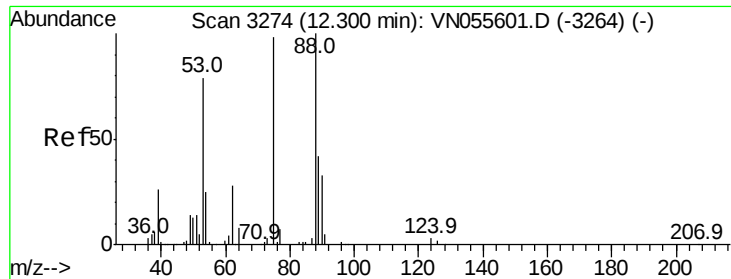
Tgt Ion:105 Resp: 242850

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.712 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

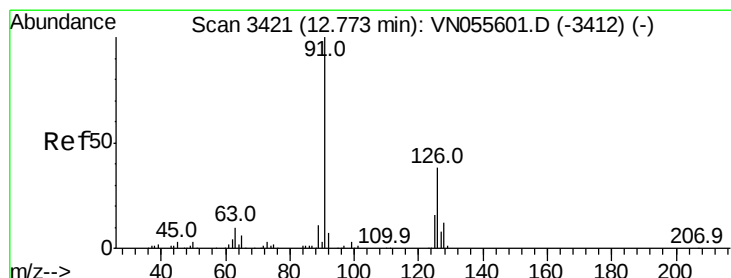
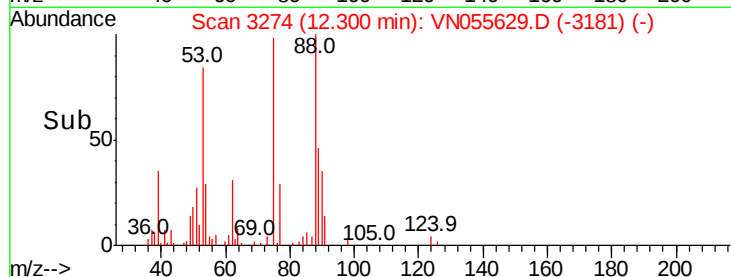
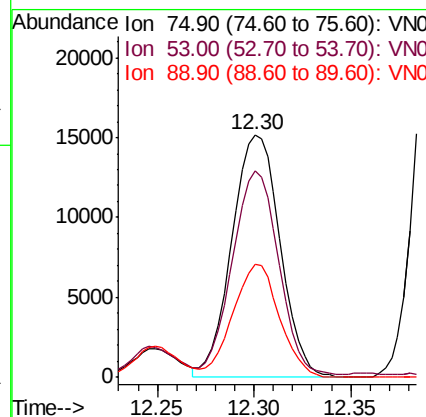
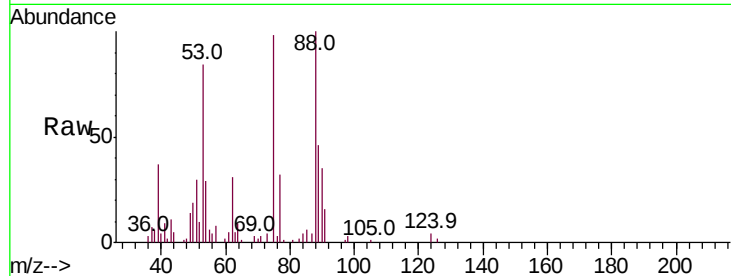
ClientSampleId :

VN0517MBSD01

Tot Ion:	75	Resp:	26331
Ion Ratio	Lower	Upper	
75	100		
53	81.0	65.1	97.7
89	45.0	36.4	54.6

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#82

4-Chlorotoluene

Concen: 18.202 ug/l

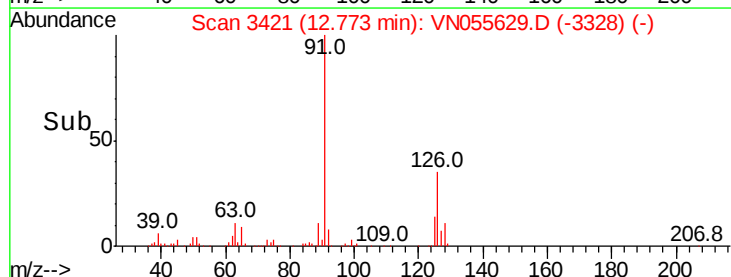
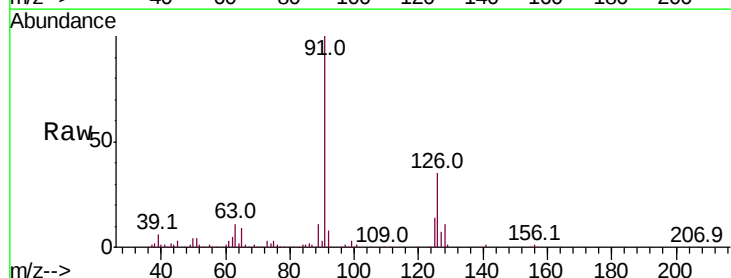
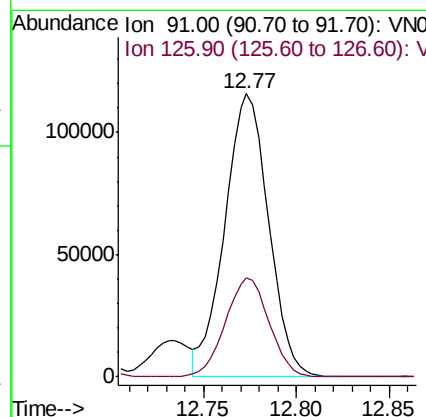
RT: 12.77 min Scan# 3421

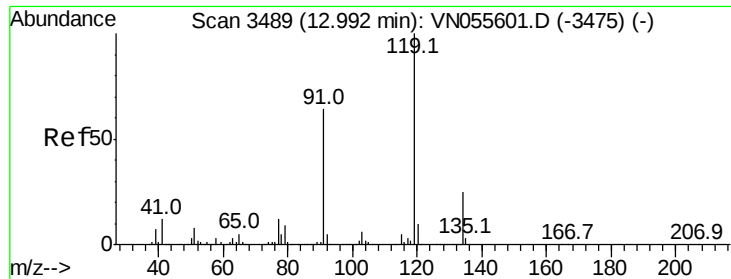
Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion:	91	Resp:	189035
Ion Ratio	Lower	Upper	
91	100		
126	35.1	17.5	52.6





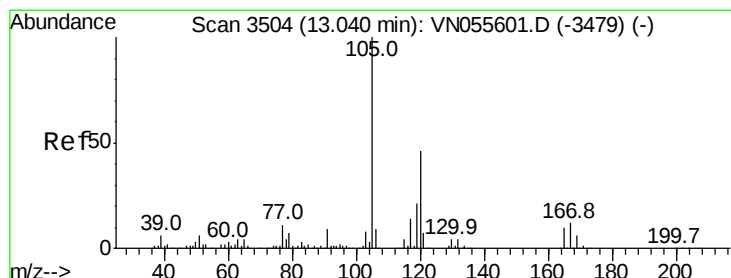
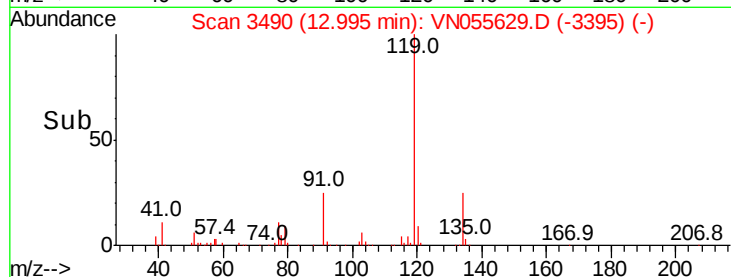
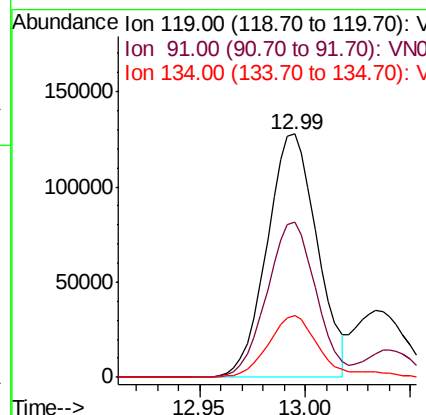
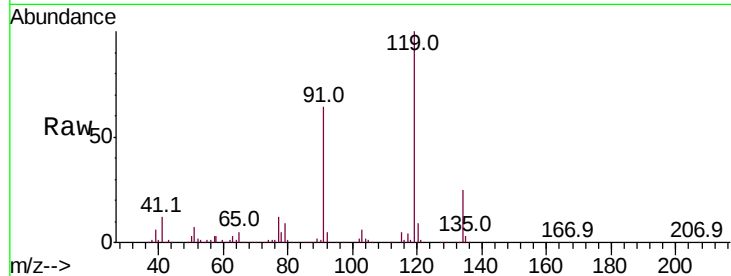
#83
tert-Butylbenzene
Concen: 19.227 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.3	93.8
134	24.8	13.2	39.6

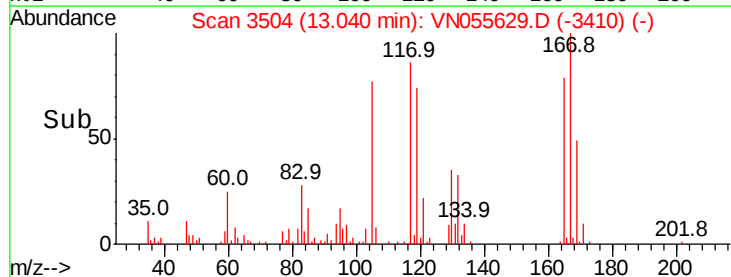
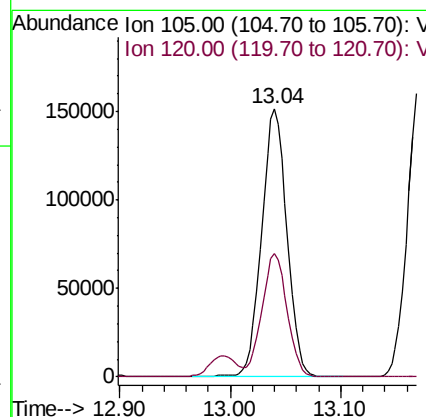
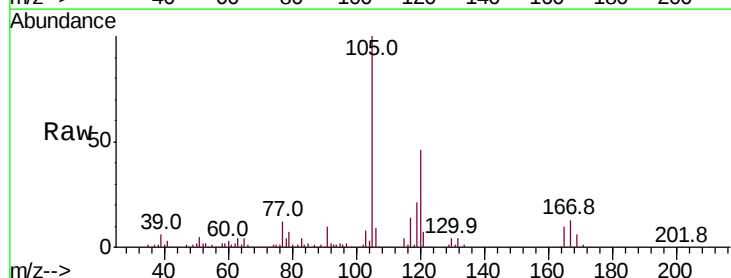
Manual Integrations
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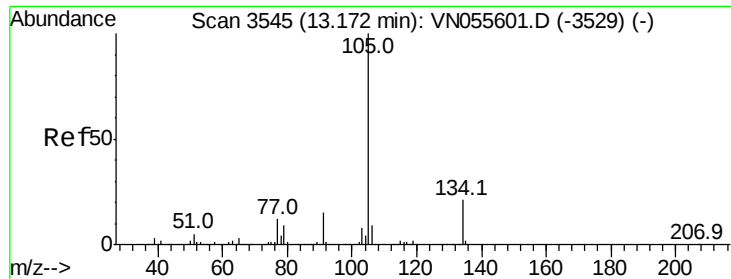
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.228 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.062 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0517MBSD01

Tot Ion:105 Resp: 270497

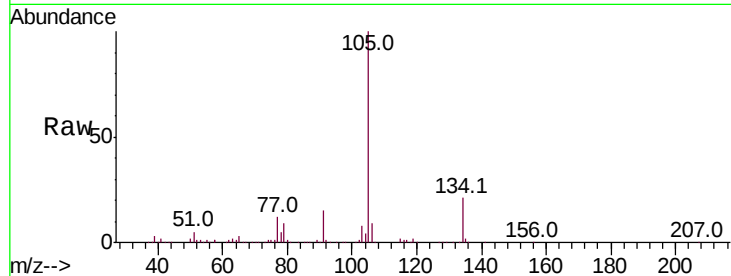
Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

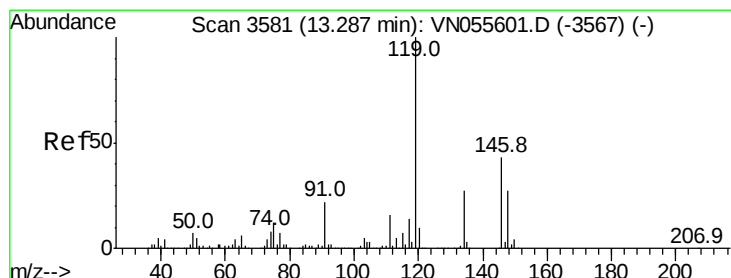
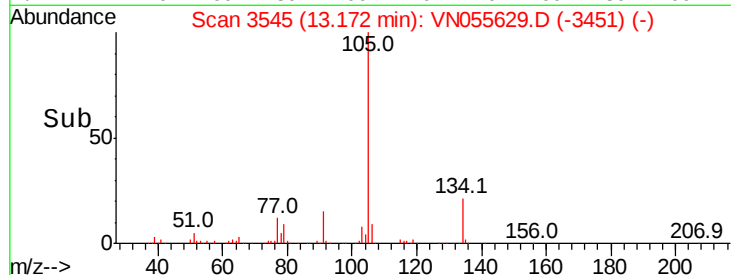
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.690 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

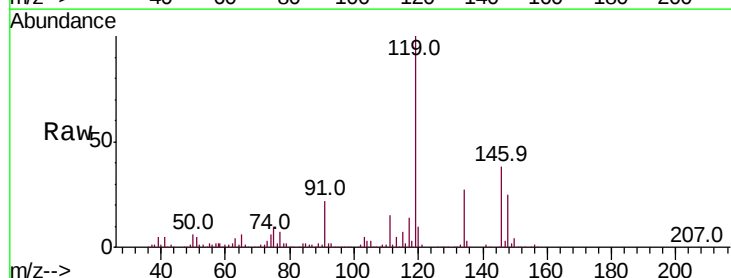
Tgt Ion:119 Resp: 244418

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 21.9 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

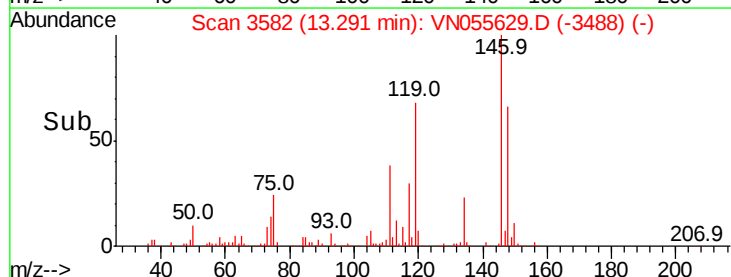
150000

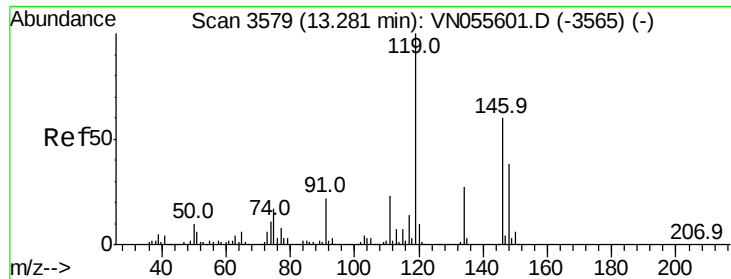
100000

50000

0

Time-->





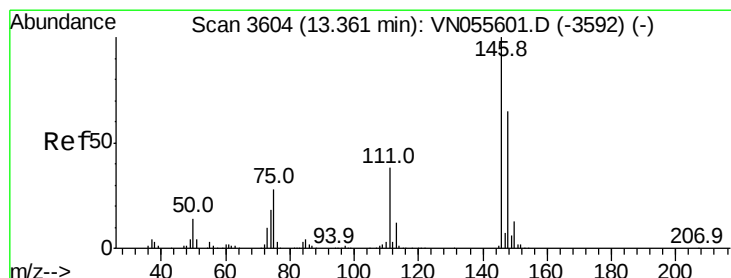
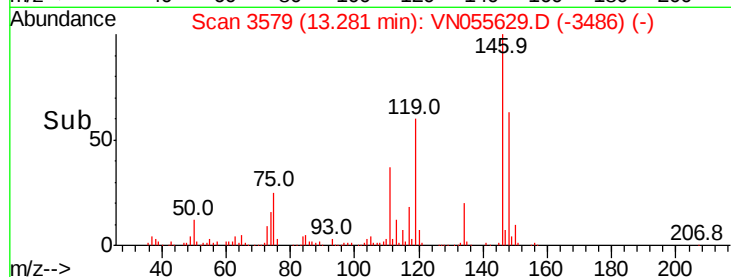
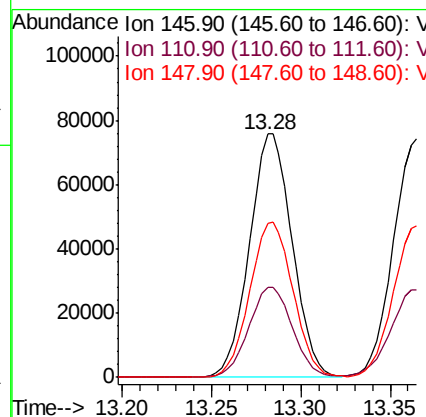
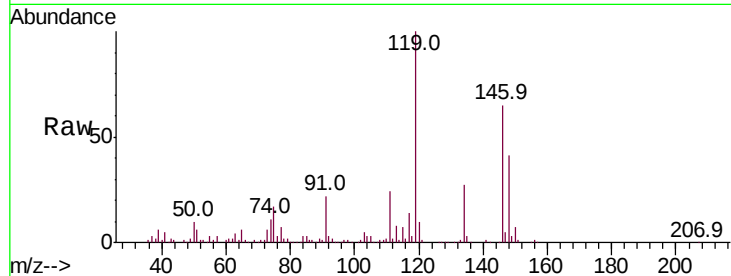
#87
 1,3-Dichlorobenzene
 Concen: 18.824 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0517MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	126871		
111	37.7	18.9	56.9	
148	64.5	31.9	95.9	

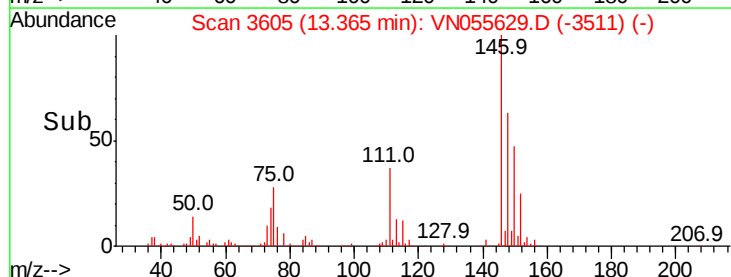
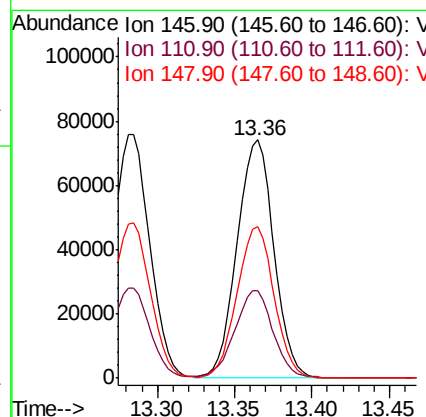
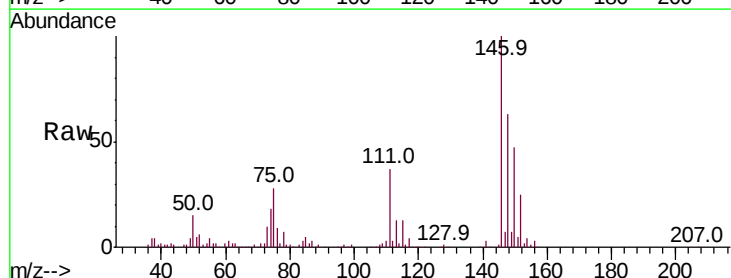
Manual Integrations
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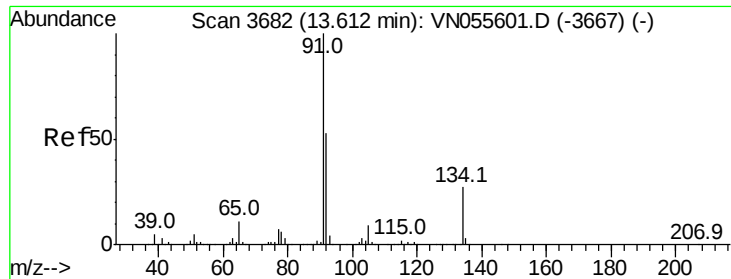
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#88
 1,4-Dichlorobenzene
 Concen: 19.093 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	122868		
111	37.7	18.8	56.4	
148	64.0	32.4	97.0	





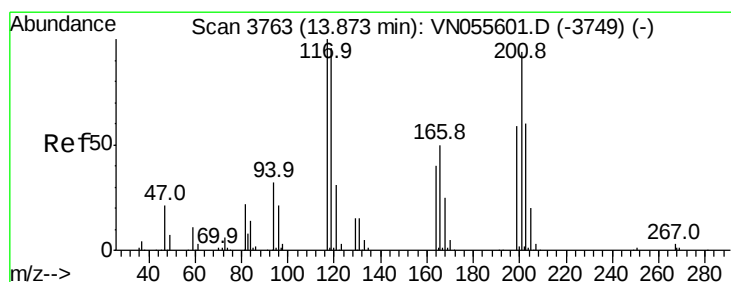
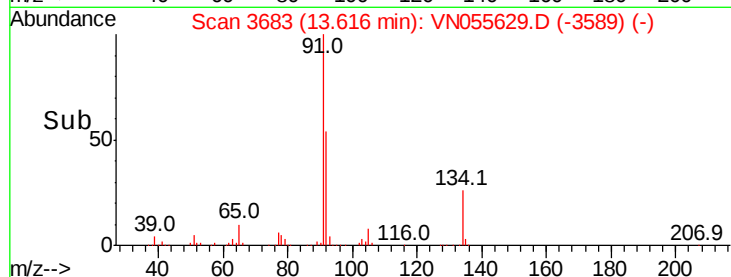
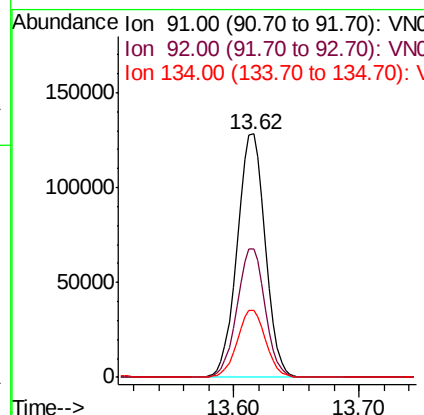
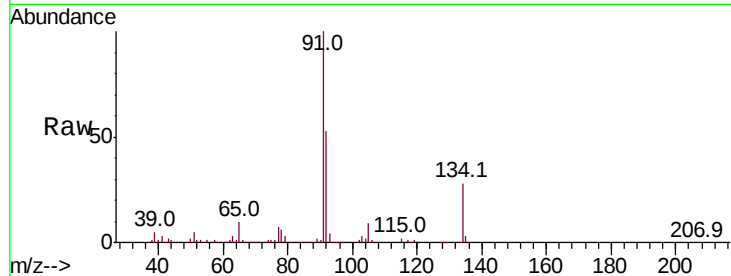
#89
n-Butylbenzene
Concen: 18.282 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0517MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	199122		
92	52.7		26.4	79.0
134	27.9		13.7	41.1

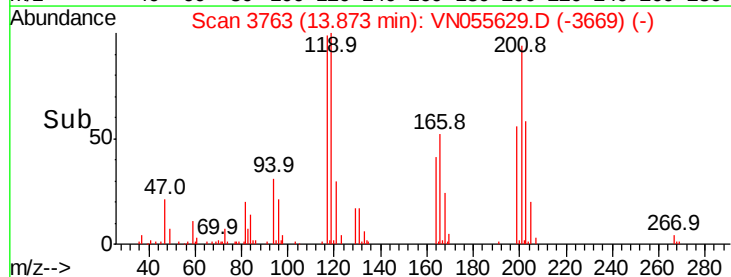
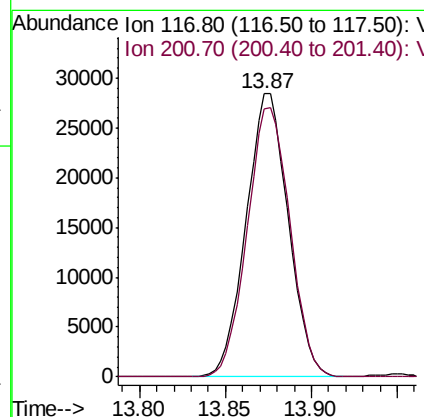
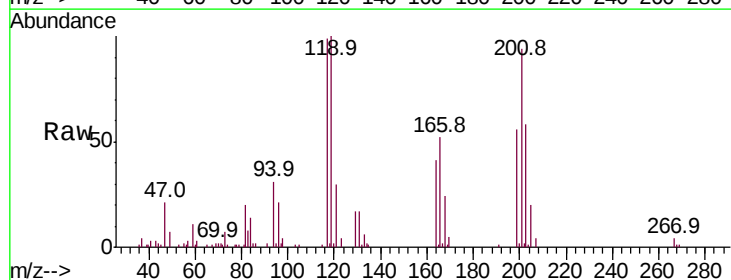
Manual Integrations
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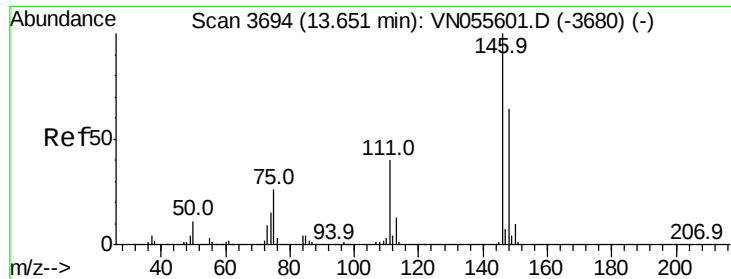
MMDadoda
5/20/2019 9:09:10 AM



#90
Hexachloroethane
Concen: 19.186 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055629.D
Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	48430		
201	95.9		47.1	141.3





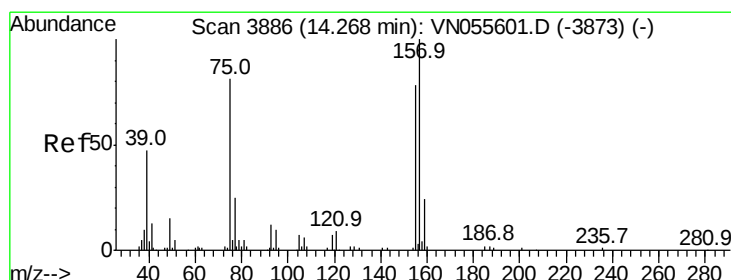
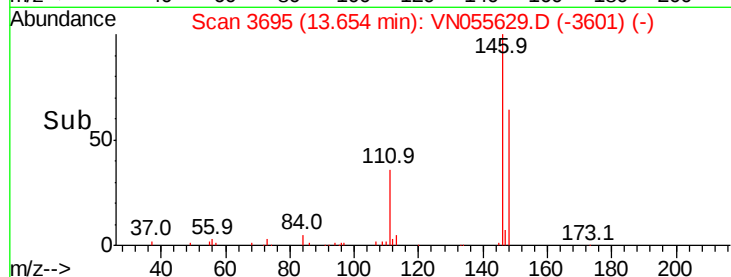
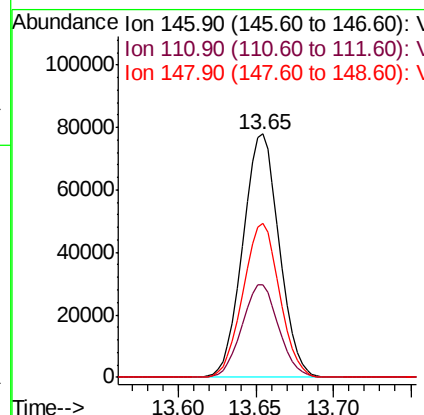
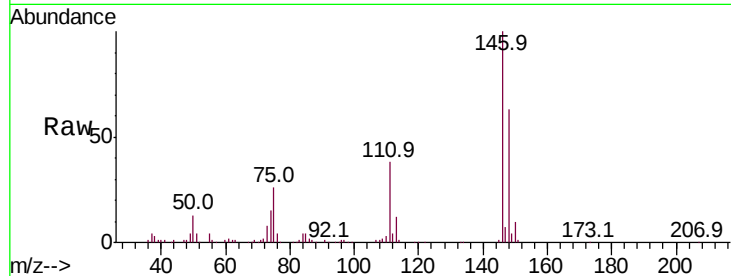
#91
 1,2-Dichlorobenzene
 Concen: 18.959 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	63.7	32.1	96.3

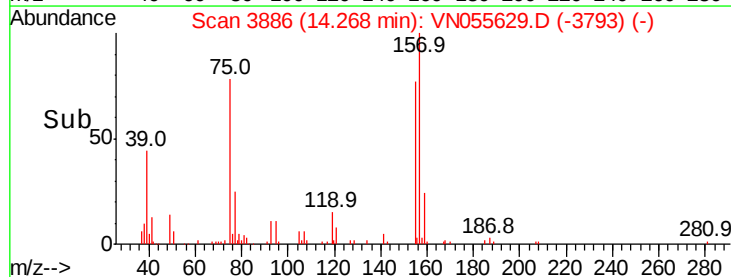
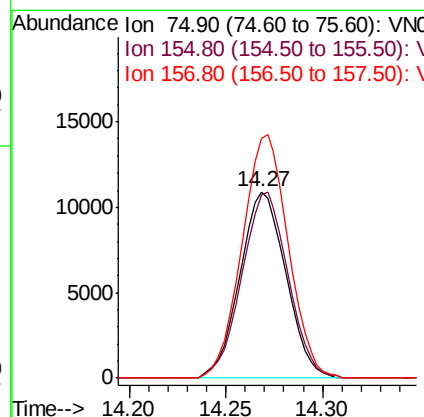
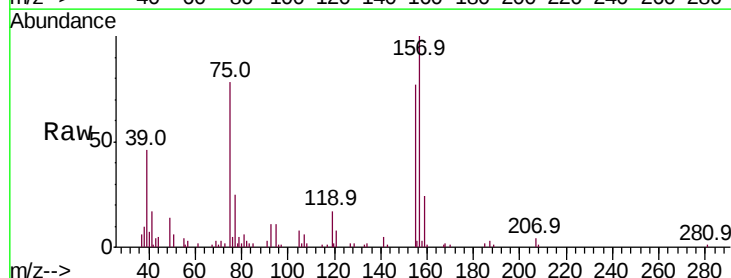
Manual Integrations
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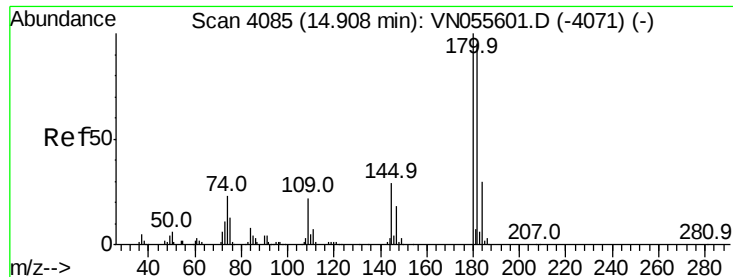
MMDadoda
 5/20/2019 9:09:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.010 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	48.4	145.0
157	131.1	62.3	186.8





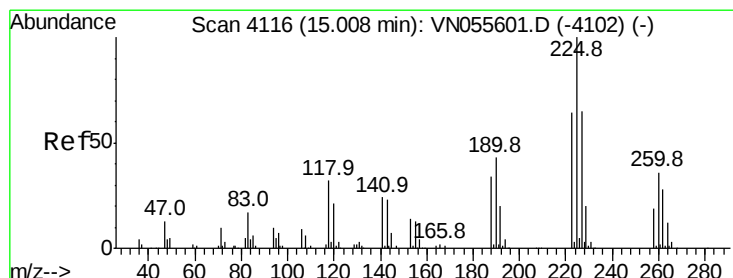
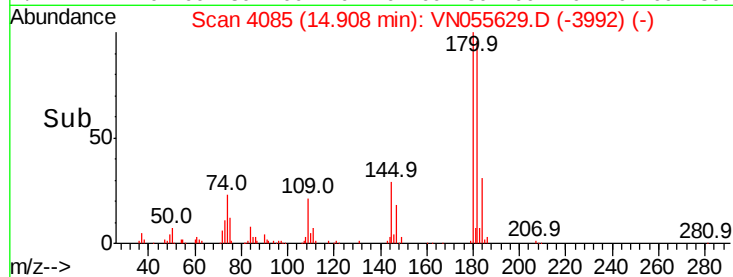
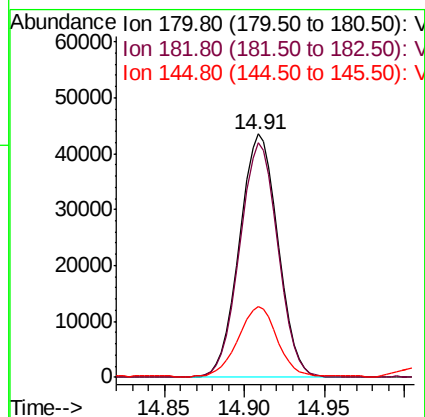
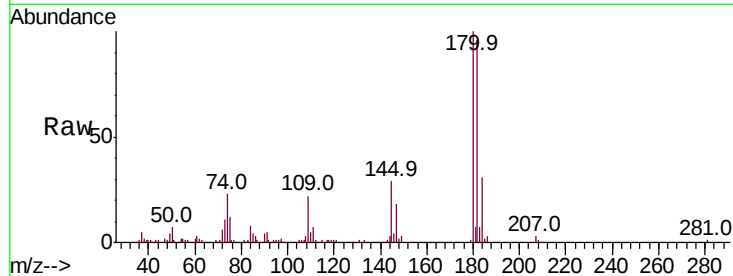
#93
 1,2,4-Trichlorobenzene
 Concen: 20.927 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0517MBSD01

Tot Ion:	180	Resp:	71569
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.6
145	30.5	14.3	42.9

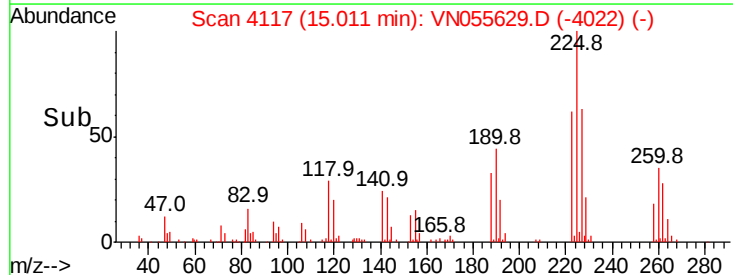
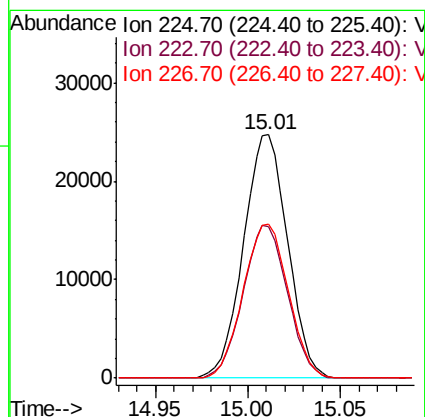
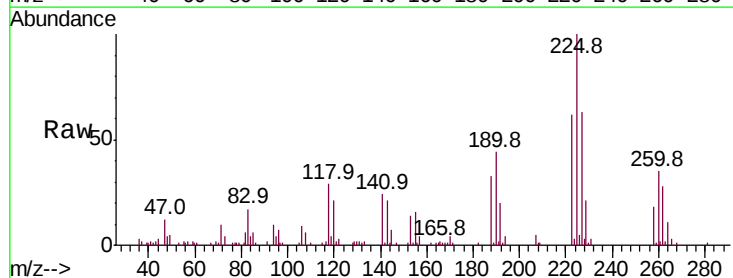
Manual Integrations
 APPROVED

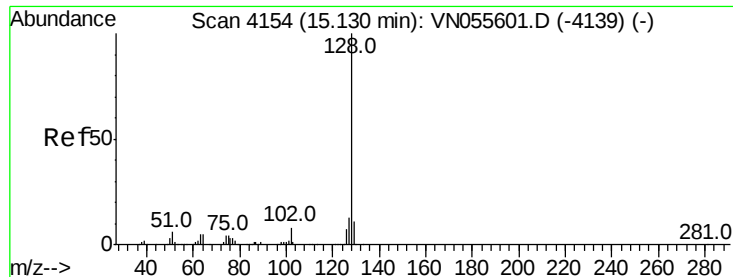
MMDadoda
 5/20/2019 9:09:10 AM



#94
 Hexachlorobutadiene
 Concen: 17.920 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055629.D
 Acq: 17 May 2019 22:40

Tgt Ion:	225	Resp:	40849
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.6	94.7
227	64.7	32.4	97.0





#95

Naphthalene

Concen: 21.091 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Instrument :

MSVOA_N

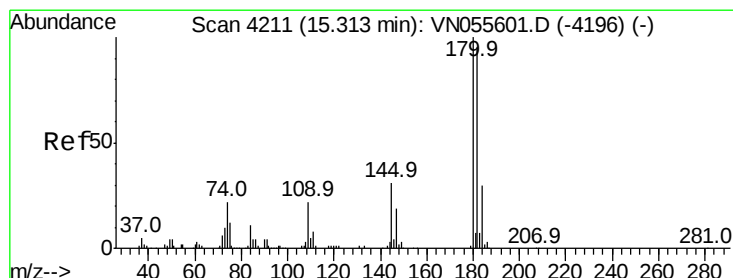
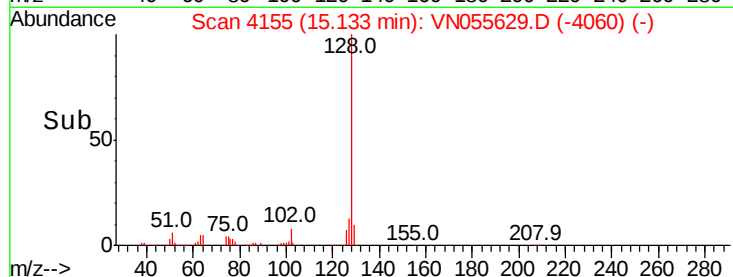
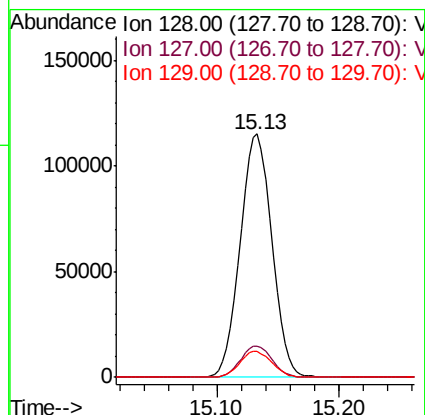
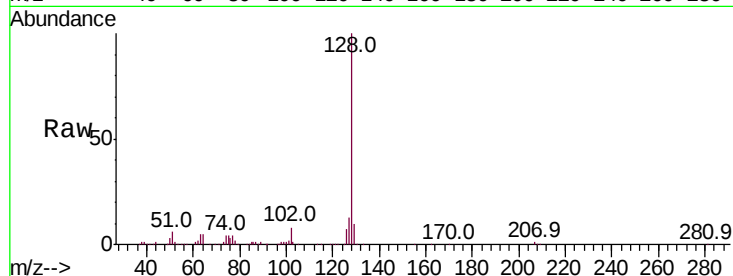
ClientSampleId :

VN0517MBSD01

Tot Ion:	128	Resp:	206768
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:09:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.528 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055629.D

Acq: 17 May 2019 22:40

Tgt Ion:	180	Resp:	73404
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.9	143.6
145	32.5	15.4	46.1

