

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061965.D
 Acq On : 19 Jun 2020 20:24
 Operator : JC/MD
 Sample : L2984-02MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563MS

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 1:27:23 PM

Quant Time: Jun 22 01:33:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	159477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	292862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	275661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	130835	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	120666	56.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.84%	
35) Dibromofluoromethane	7.55	113	97747	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
50) Toluene-d8	10.06	98	376612	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.38	95	131730	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	83998	40.536	ug/l	100
3) Chloromethane	2.03	50	130547	58.974	ug/l	98
4) Vinyl Chloride	2.16	62	179496	68.019	ug/l	100
5) Bromomethane	2.52	94	79625	39.292	ug/l	98
6) Chloroethane	2.66	64	95133	53.267	ug/l	98
7) Trichlorofluoromethane	2.98	101	168430	53.433	ug/l	99
8) Diethyl Ether	3.37	74	65550	61.857	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	68082	42.100	ug/l	99
10) Methyl Iodide	3.91	142	102045	52.042	ug/l	99
11) Tert butyl alcohol	4.74	59	111975	378.333	ug/l	98
12) 1,1-Dichloroethene	3.69	96	87603	54.064	ug/l	99
13) Acrolein	3.56	56	54227	306.552	ug/l	99
14) Allyl chloride	4.27	41	131226	61.019	ug/l	97
15) Acrylonitrile	4.93	53	264523	360.698	ug/l	99
16) Acetone	3.77	43	366803	580.597	ug/l	97
17) Carbon Disulfide	4.00	76	250869	52.913	ug/l	98
18) Methyl Acetate	4.28	43	133078	73.165	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	335762	62.235	ug/l	100
20) Methylene Chloride	4.50	84	110887	53.873	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	114226	61.373	ug/l	98
22) Diisopropyl ether	5.90	45	293429	59.659	ug/l	99
23) Vinyl Acetate	5.84	43	1177259	304.327	ug/l	97
24) 1,1-Dichloroethane	5.80	63	183177	56.893	ug/l	98
25) 2-Butanone	6.79	43	2993701	3247.838	ug/l	99
26) 2,2-Dichloropropane	6.78	77	133550	49.302	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	158594	73.850	ug/l	99
28) Bromochloromethane	7.15	49	88839	61.970	ug/l	91
29) Tetrahydrofuran	7.17	42	271644	447.805	ug/l	92
30) Chloroform	7.33	83	193967	56.369	ug/l	99
31) Cyclohexane	7.61	56	120826	42.868	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	156661	53.459	ug/l	98
36) 1,1-Dichloropropene	7.75	75	134622	50.397	ug/l	99
37) Ethyl Acetate	6.88	43	160814	77.093	ug/l	98
38) Carbon Tetrachloride	7.73	117	125704	47.520	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	114968	39.970	ug/l	98
40) Benzene	8.00	78	436578	53.954	ug/l	98
41) Methacrylonitrile	7.13	41	79416m	89.033	ug/l	
42) 1,2-Dichloroethane	8.09	62	152289	55.196	ug/l	100
43) Isopropyl Acetate	8.13	43	241537	68.709	ug/l	98
44) Trichloroethene	8.80	130	109857	51.587	ug/l	100
45) 1,2-Dichloropropane	9.09	63	111485	56.063	ug/l	100
46) Dibromomethane	9.18	93	78362	55.960	ug/l	98
47) Bromodichloromethane	9.37	83	153823	53.646	ug/l	98
48) Methyl methacrylate	9.17	41	116273	72.732	ug/l	92
49) 1,4-Dioxane	9.17	88	45093	1228.586	ug/l #	80
51) 4-Methyl-2-Pentanone	9.95	43	784421	377.608	ug/l	100
52) Toluene	10.12	92	323960	63.748	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	173713	57.068	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	184848	55.910	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	114730	57.381	ug/l	99
56) Ethyl methacrylate	10.40	69	177138	57.535	ug/l	97
57) 1,3-Dichloropropane	10.68	76	193388	57.091	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	259442	245.860	ug/l	98
59) 2-Hexanone	10.72	43	610018	361.262	ug/l	99
60) Dibromochloromethane	10.87	129	123190	55.215	ug/l	99
61) 1,2-Dibromoethane	10.98	107	120405	57.670	ug/l	99
64) Tetrachloroethene	10.60	164	83503	47.527	ug/l	96
65) Chlorobenzene	11.41	112	303151	52.118	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	108228	53.350	ug/l	99
67) Ethyl Benzene	11.48	91	518164	53.132	ug/l	99
68) m/p-Xylenes	11.59	106	402888	107.135	ug/l	100
69) o-Xylene	11.92	106	194895	54.317	ug/l	99
70) Styrene	11.94	104	337496	56.175	ug/l	100
71) Bromoform	12.10	173	85814	58.014	ug/l #	98
73) Isopropylbenzene	12.22	105	483381	51.992	ug/l	99
74) N-amyl acetate	12.04	43	225806	66.020	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	182805	60.476	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	166981m	65.008	ug/l	
77) Bromobenzene	12.50	156	127268	54.259	ug/l	96
78) n-propylbenzene	12.57	91	555029	52.319	ug/l	99
79) 2-Chlorotoluene	12.65	91	340603	53.457	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	405267	52.688	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	60421	64.156	ug/l	100
82) 4-Chlorotoluene	12.75	91	354334	53.820	ug/l	98
83) tert-Butylbenzene	12.97	119	321579	49.315	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	418057	55.059	ug/l	99
85) sec-Butylbenzene	13.15	105	423237	49.587	ug/l	99
86) p-Isopropyltoluene	13.26	119	390341	51.323	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	221158	51.696	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	226413	51.704	ug/l	100
89) n-Butylbenzene	13.59	91	321045	50.545	ug/l	98
90) Hexachloroethane	13.85	117	69561	49.965	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	226257	54.937	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	36141	73.648	ug/l	96

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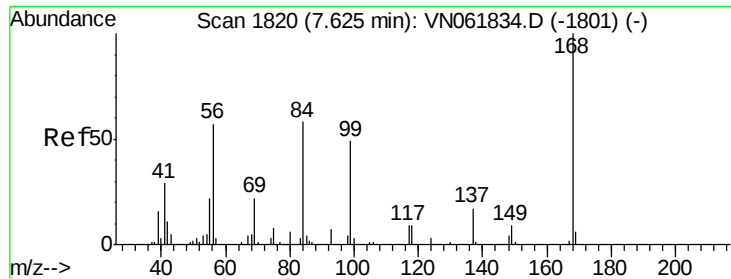
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	103029	53.015	ug/l	98
94) Hexachlorobutadiene	14.98	225	39713	51.884	ug/l	98
95) Naphthalene	15.10	128	393429	59.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	102875	53.450	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

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ClientSampleId :

S49-0563MS

Tot Ion:168 Resp: 159477

Ion Ratio Lower Upper

168 100

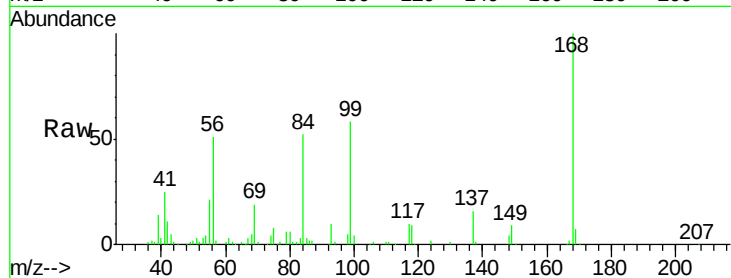
99 58.4 44.6 67.0

Manual Integrations

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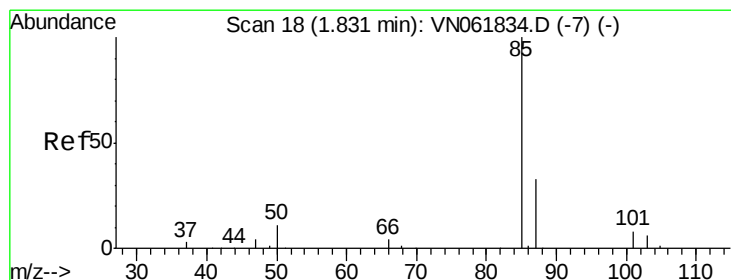
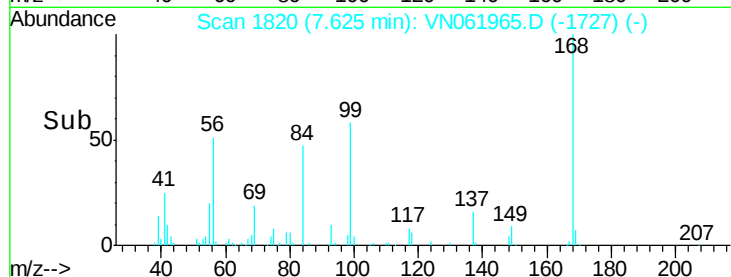
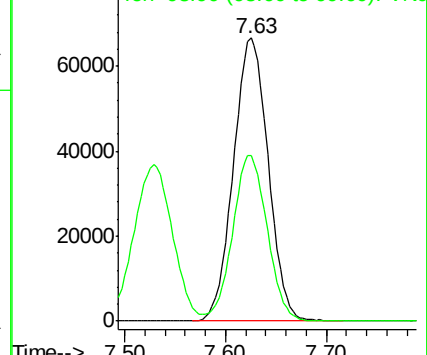
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 40.536 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061965.D

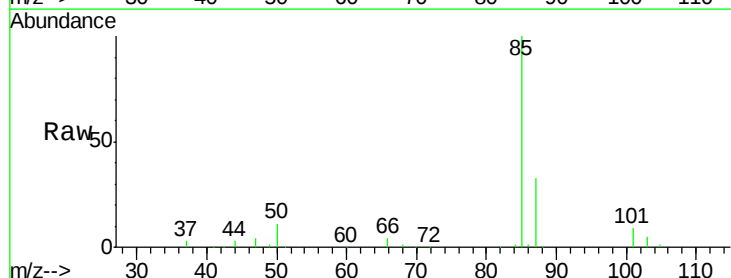
Acq: 19 Jun 2020 20:24

Tgt Ion: 85 Resp: 83998

Ion Ratio Lower Upper

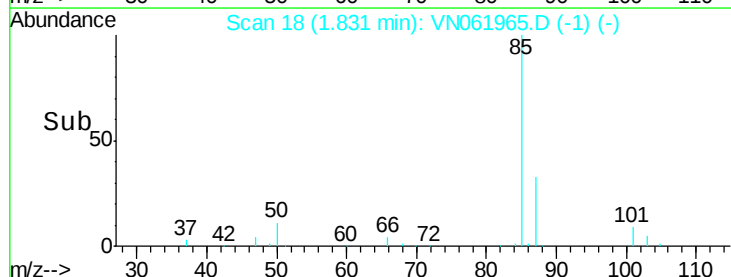
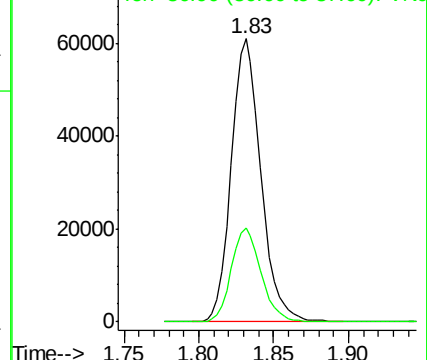
85 100

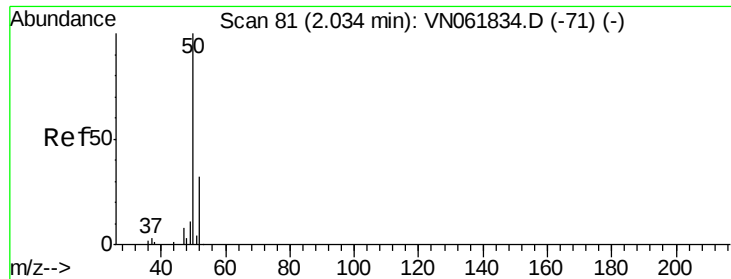
87 33.0 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 58.974 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

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ClientSampleId :

S49-0563MS

Tot Ion: 50 Resp: 130547

Ion Ratio Lower Upper

50 100

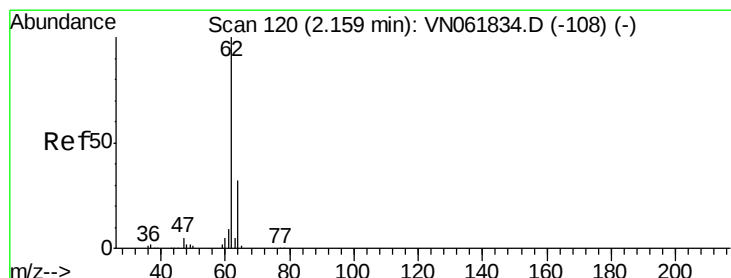
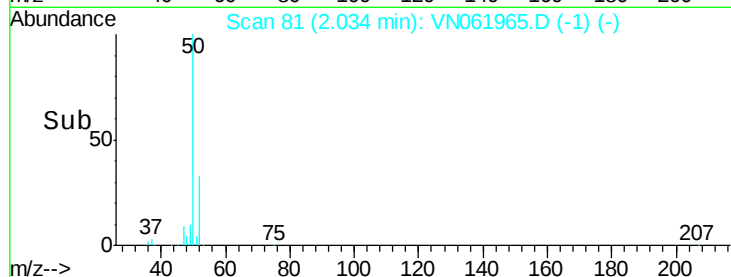
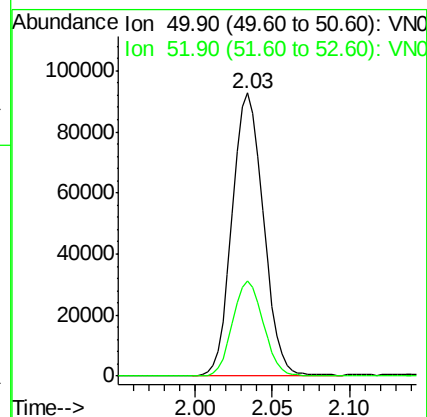
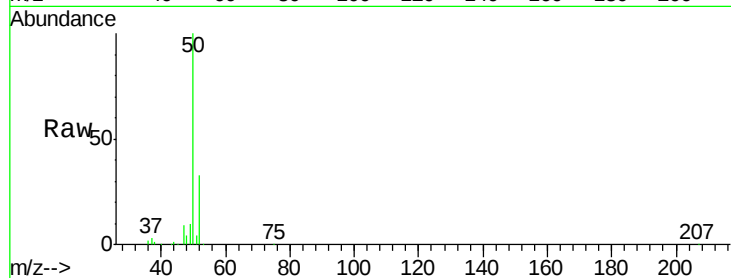
52 33.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 68.019 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061965.D

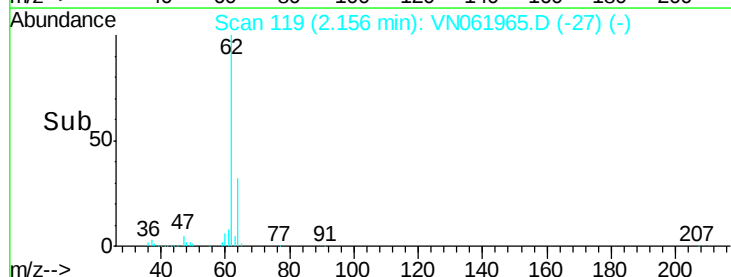
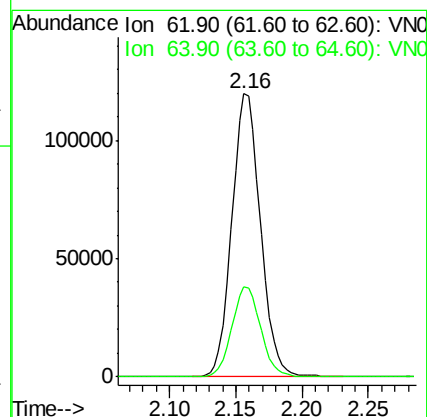
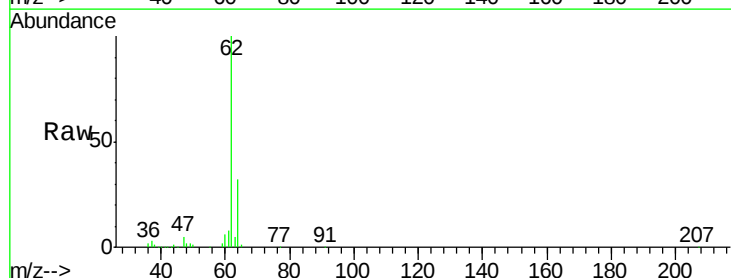
Acq: 19 Jun 2020 20:24

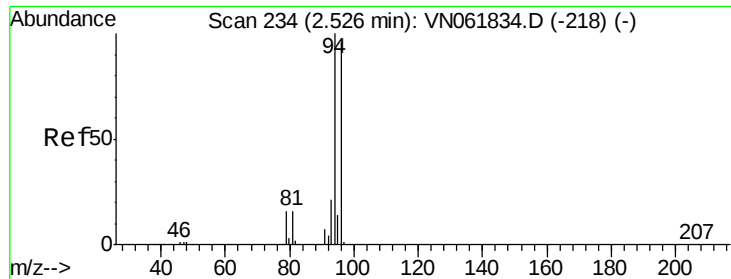
Tgt Ion: 62 Resp: 179496

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 39.292 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 79625

Ion Ratio Lower Upper

94 100

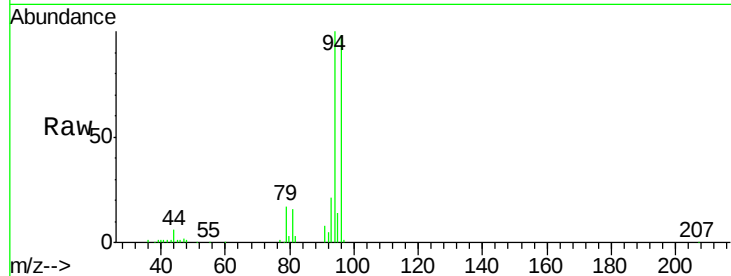
96 97.7 76.7 115.1

Manual Integrations

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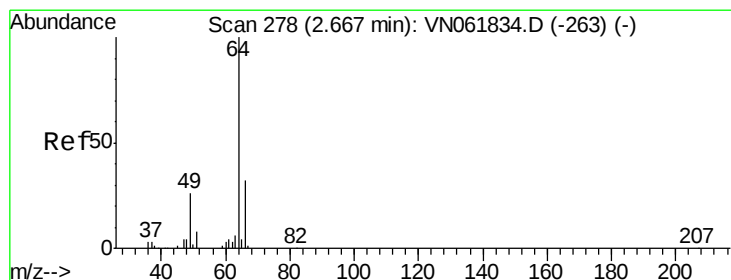
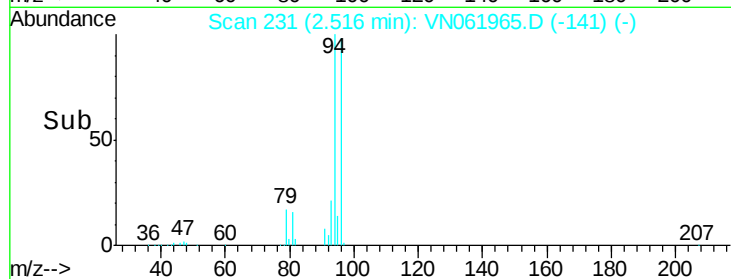
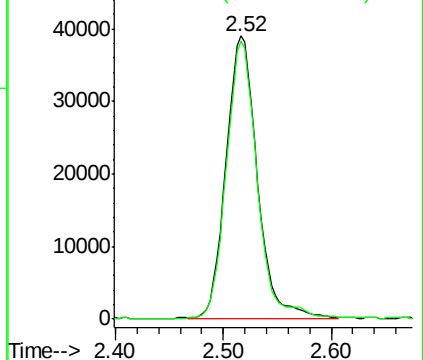
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 53.267 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.01 min

Lab File: VN061965.D

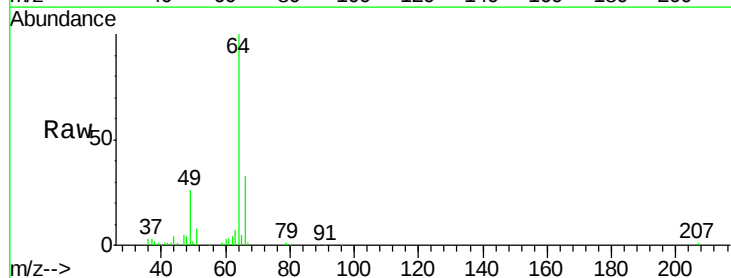
Acq: 19 Jun 2020 20:24

Tgt Ion: 64 Resp: 95133

Ion Ratio Lower Upper

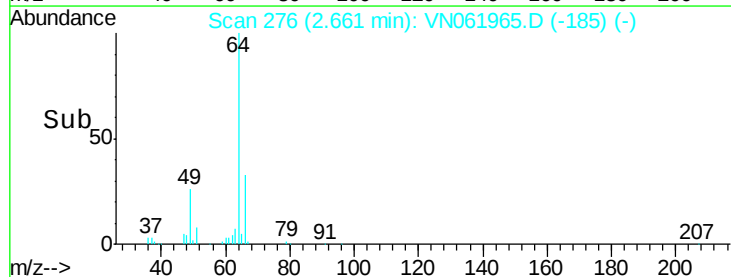
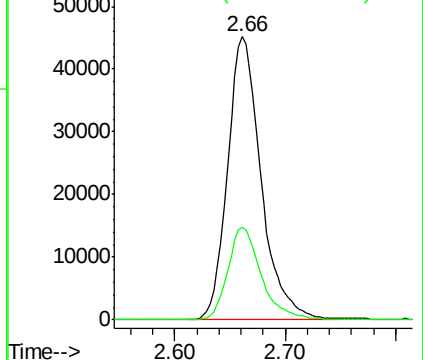
64 100

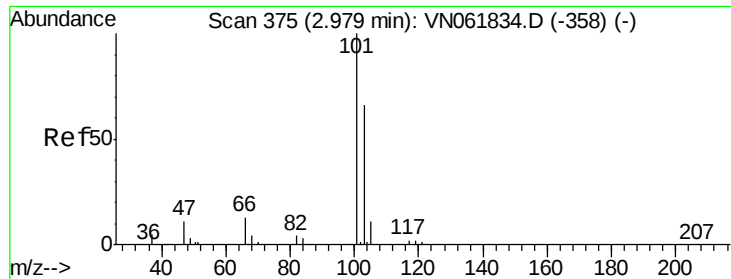
66 32.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

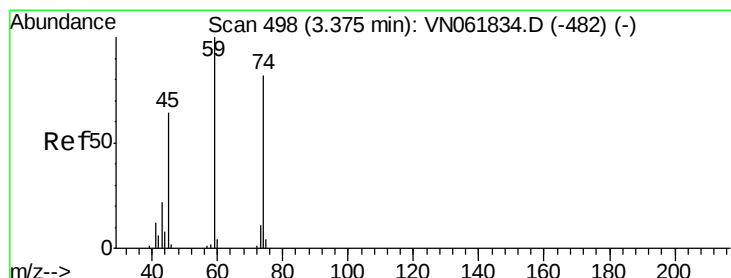
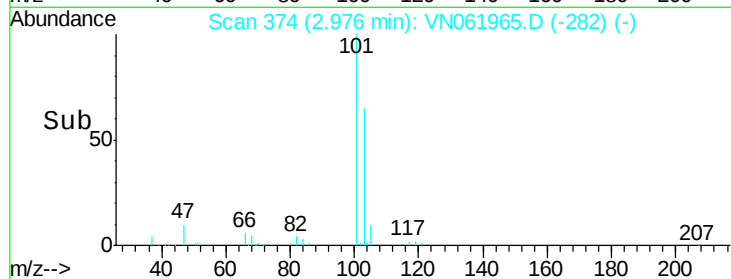
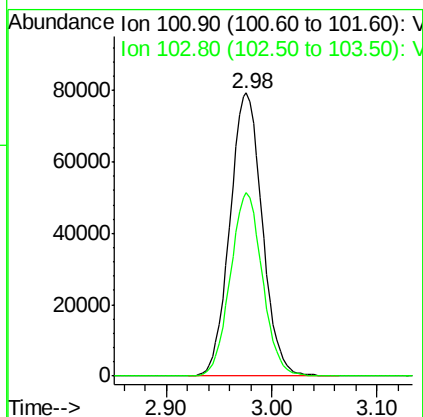
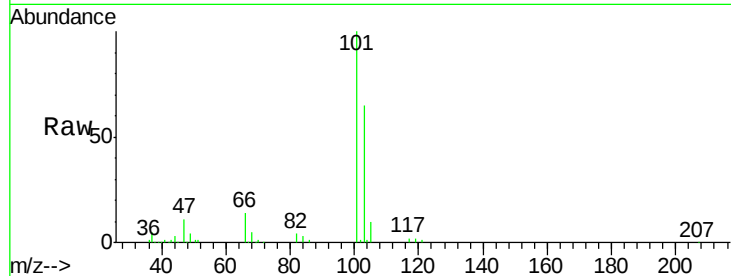
Trichlorofluoromethane
Concen: 53.433 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061965.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	168430		
103	64.8	52.8	79.2	

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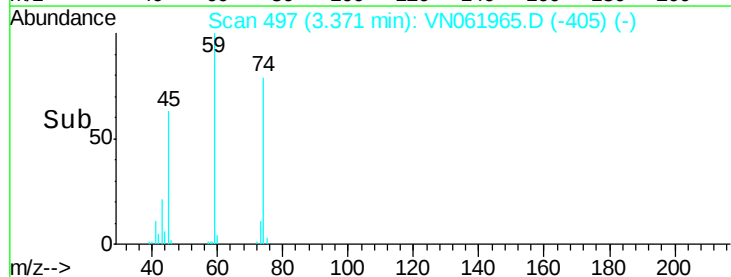
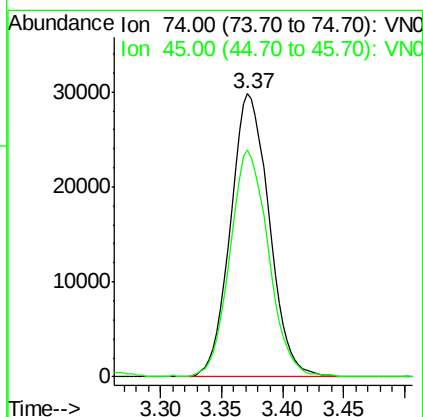
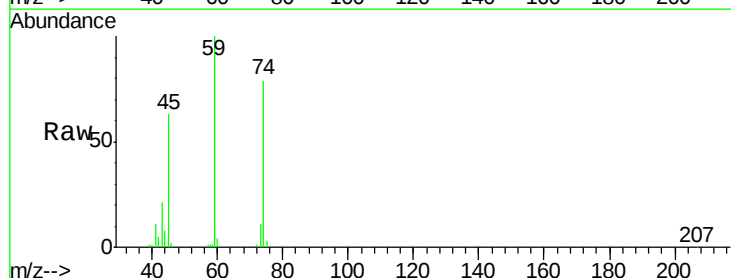
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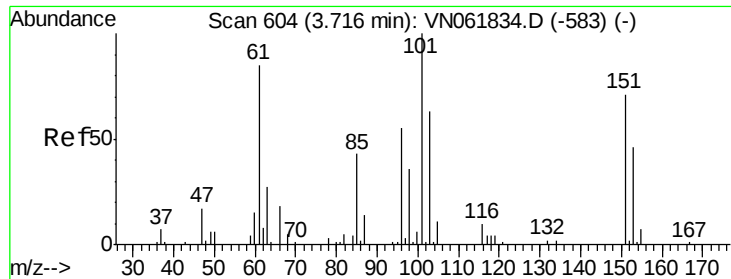


#8

Diethyl Ether
Concen: 61.857 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	65550		
45	80.1	39.1	117.3	





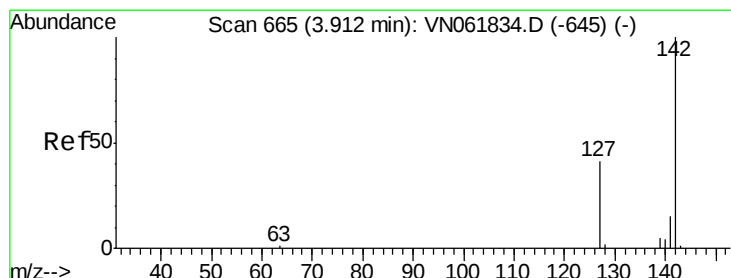
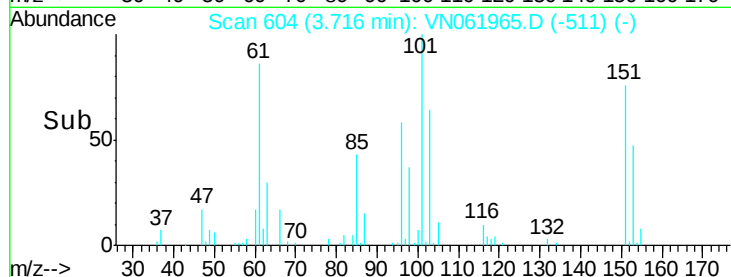
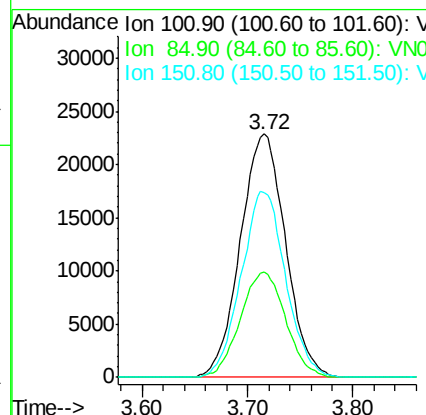
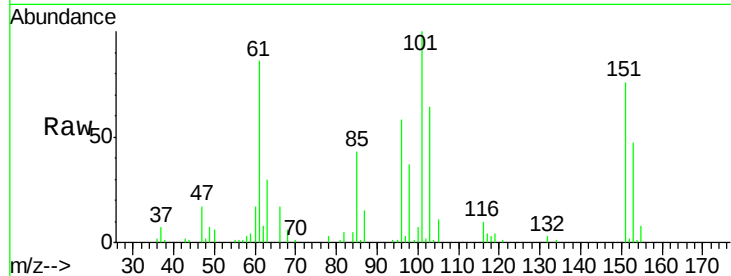
#9
1,1,2-Trichlorotrifluoroethane
Concen: 42.100 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.0	52.6
151	75.1	59.2	88.8

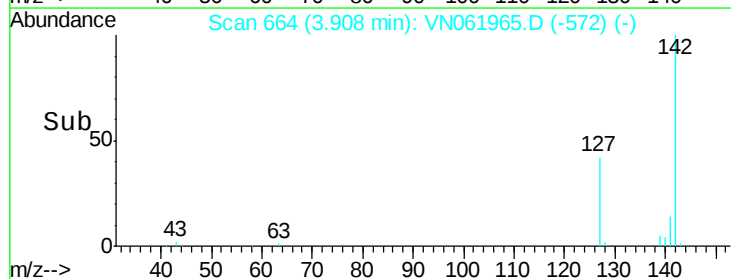
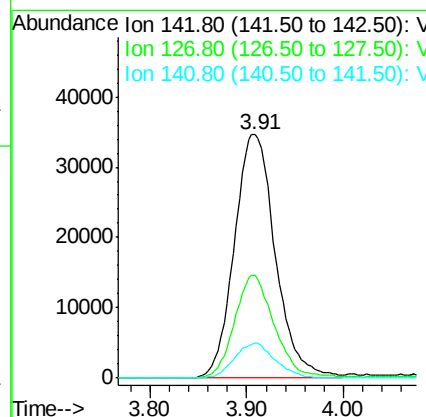
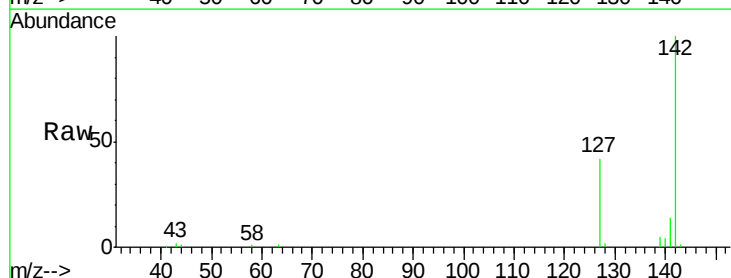
Manual Integrations
APPROVED

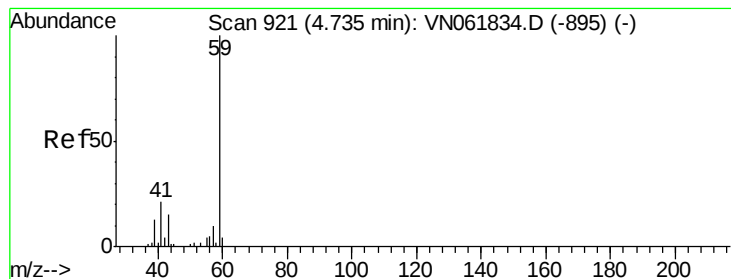
MMDadoda
6/22/2020 1:27:23 PM



#10
Methyl Iodide
Concen: 52.042 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.3	33.4	50.0
141	14.2	11.3	16.9





#11

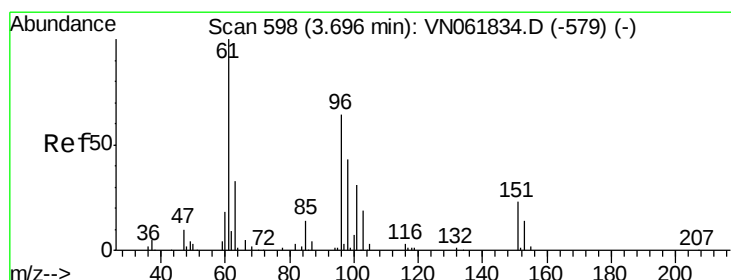
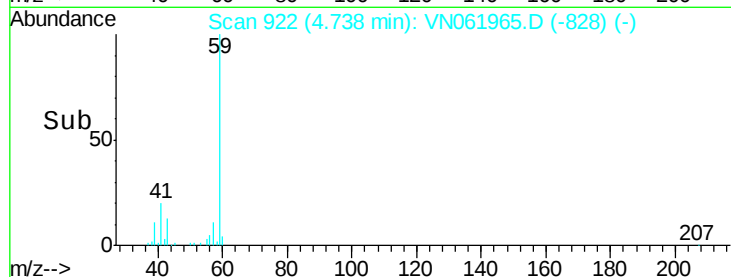
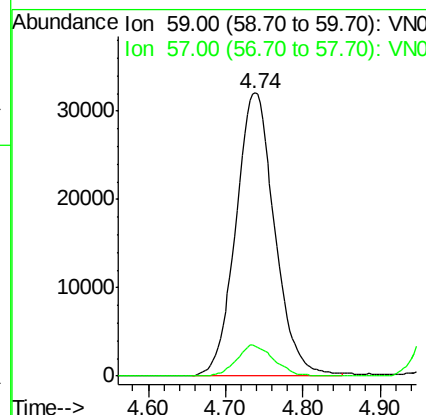
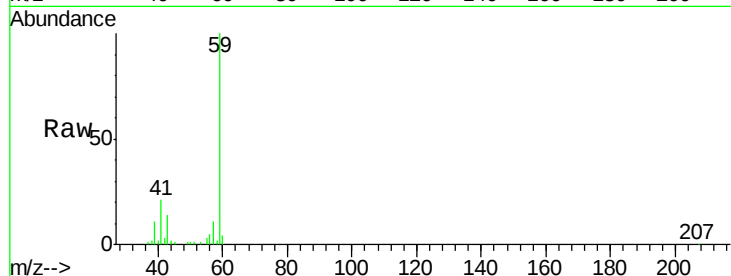
Tert butyl alcohol
Concen: 378.333 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampled :
S49-0563MS

Tot Ion	59	Resp	111975
Ion Ratio	100	Lower	Upper
57	10.4	7.7	11.5

Manual Integrations
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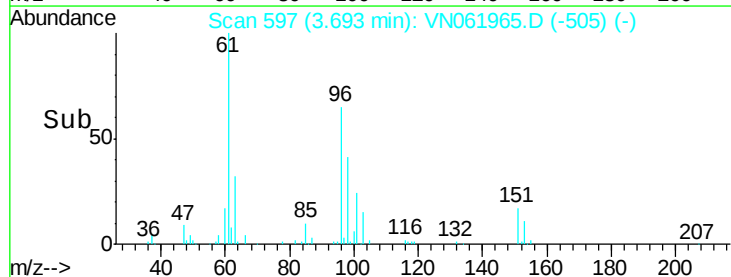
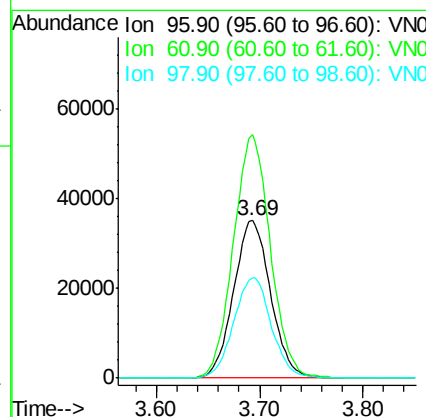
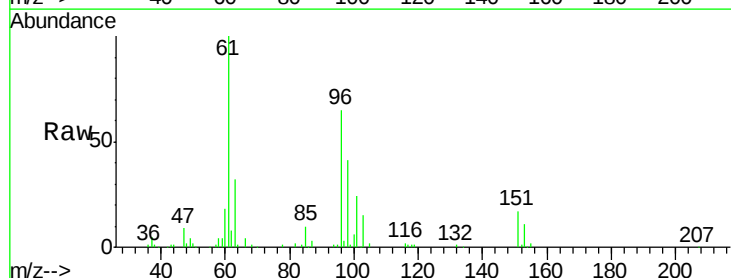
MMDadoda
6/22/2020 1:27:23 PM

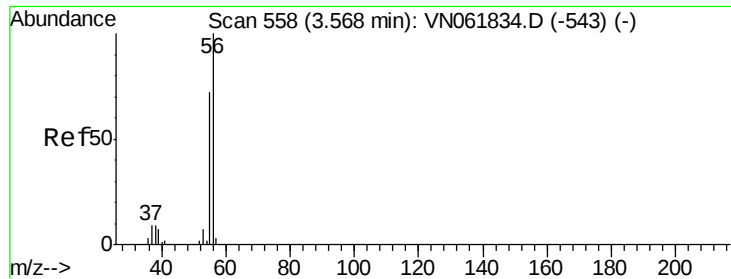


#12

1,1-Dichloroethene
Concen: 54.064 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	96	Resp	87603
Ion Ratio	100	Lower	Upper
61	154.5	124.3	186.5
98	63.8	53.1	79.7





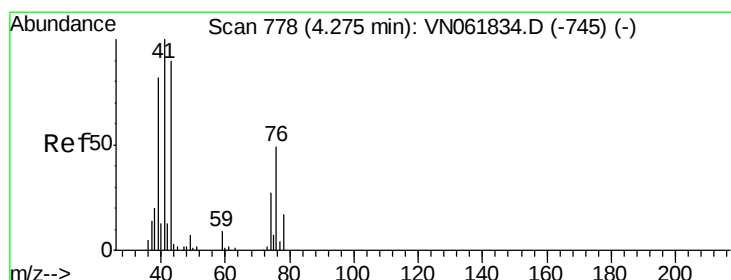
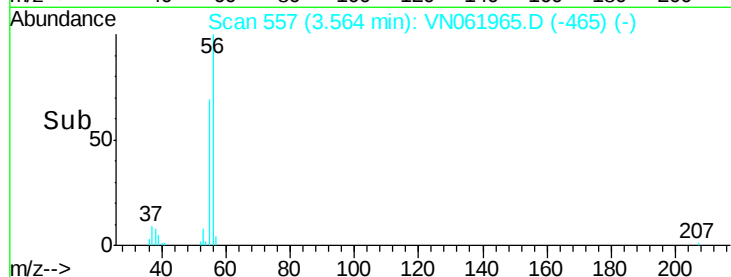
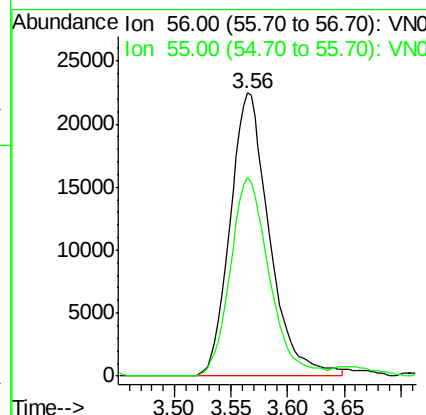
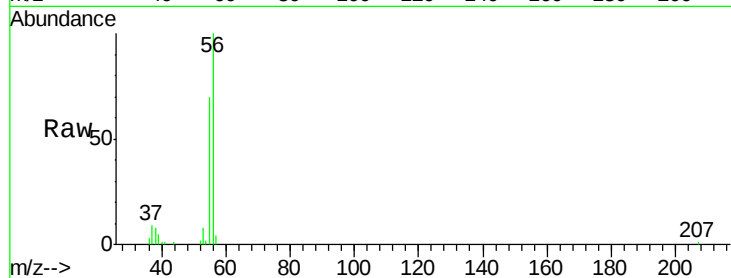
#13
Acrolein
Concen: 306.552 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion	56	Resp	54227
Ion Ratio	100	Lower	Upper
56	100		
55	69.7	56.2	84.4

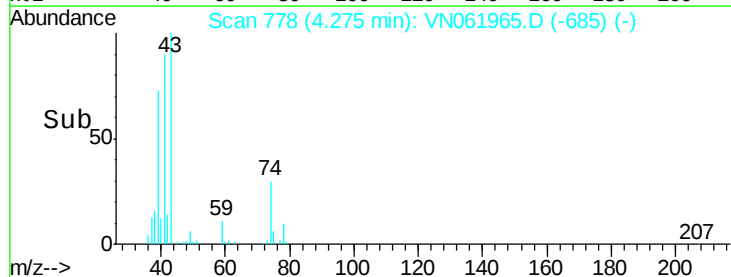
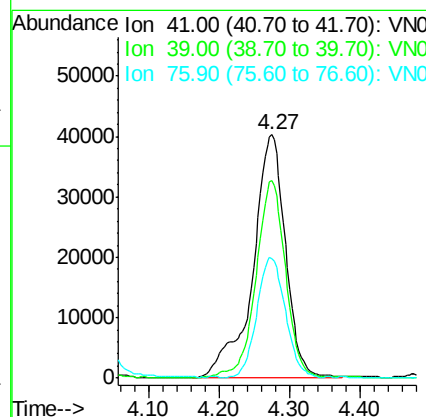
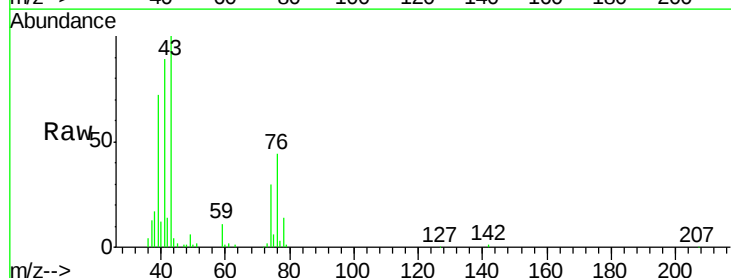
Manual Integrations
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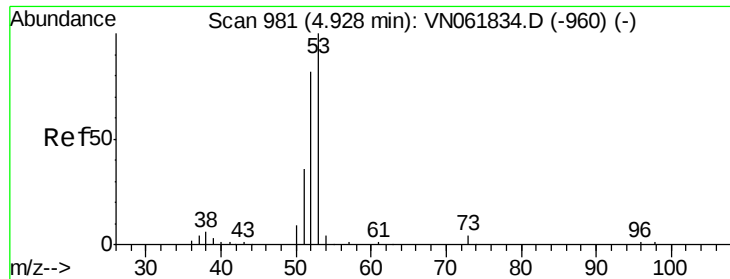
MMDadoda
6/22/2020 1:27:23 PM



#14
Allyl chloride
Concen: 61.019 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	41	Resp	131226
Ion Ratio	100	Lower	Upper
41	100		
39	73.0	60.2	90.2
76	43.1	36.3	54.5





#15

Acrylonitrile

Concen: 360.698 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

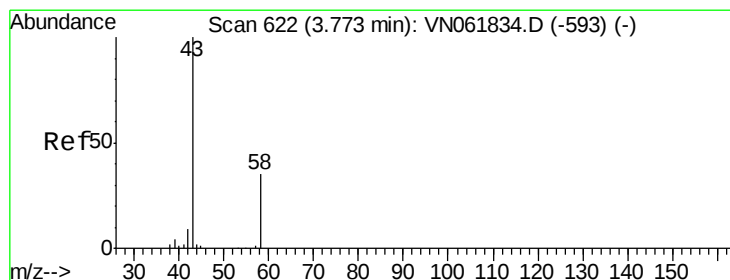
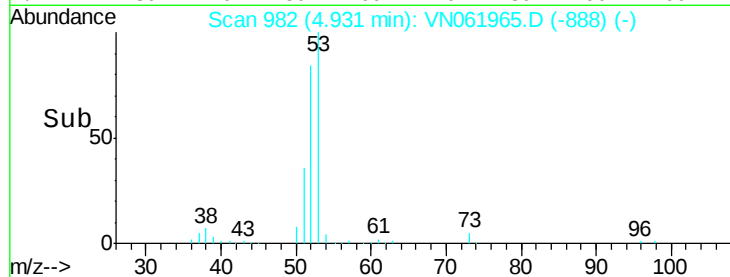
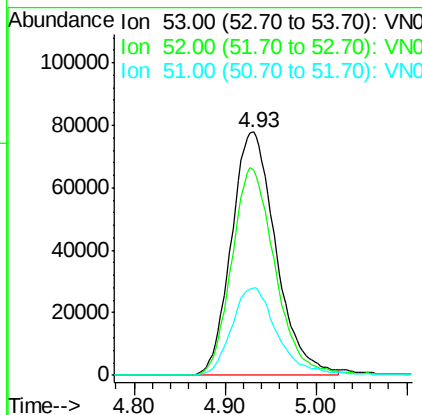
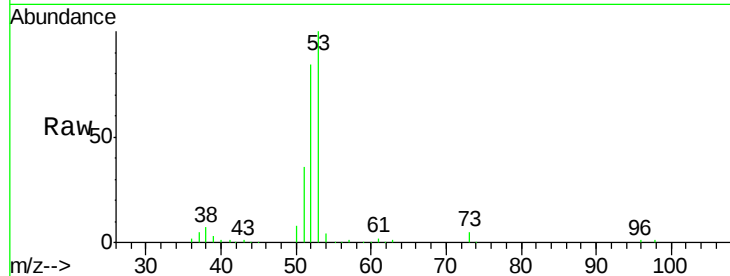
ClientSampled :

S49-0563MS

Tot Ion:	53	Resp:	264523
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.2	97.8
51	37.0	29.3	43.9

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 580.597 ug/l

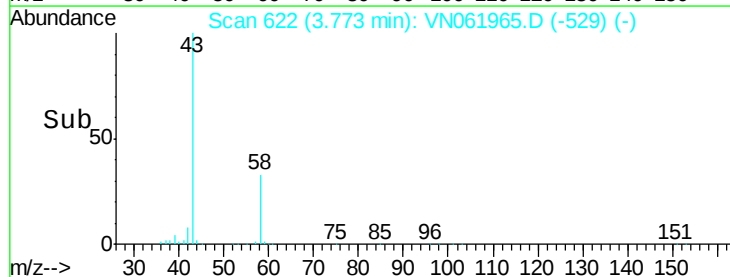
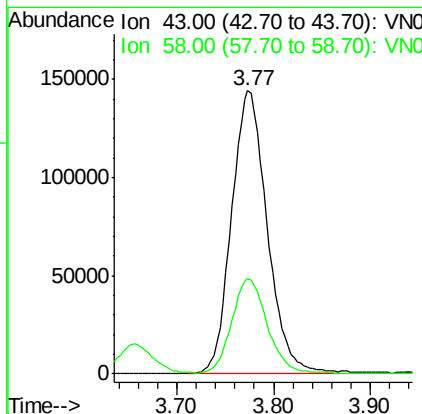
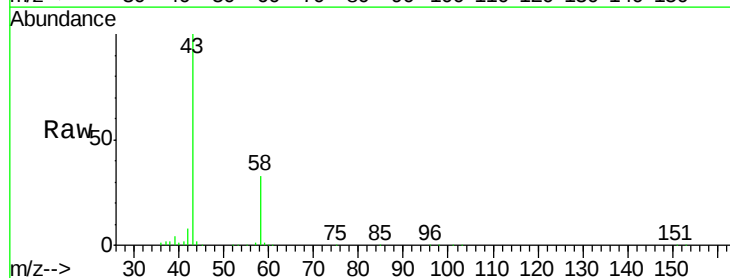
RT: 3.77 min Scan# 622

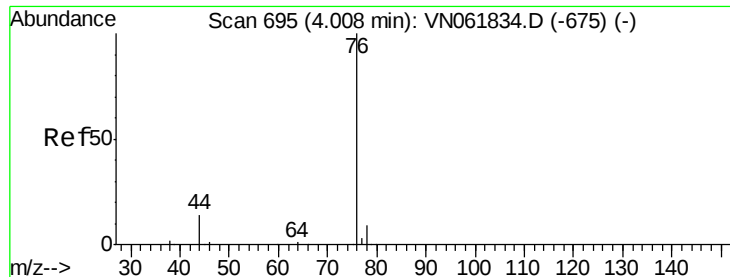
Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Tgt Ion:	43	Resp:	366803
Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.8	41.8





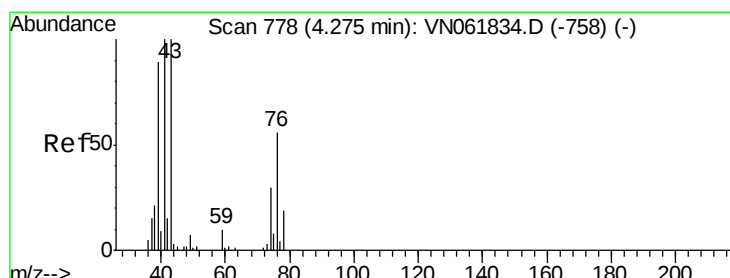
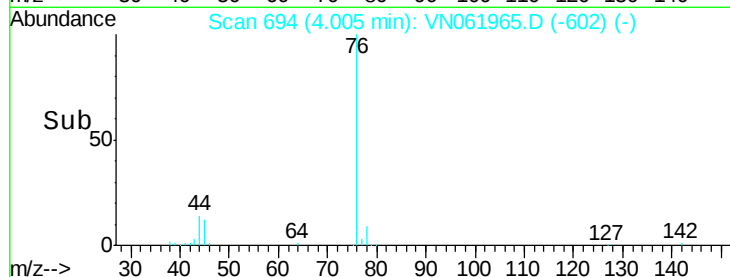
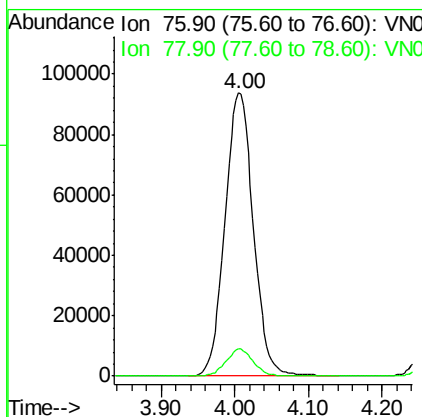
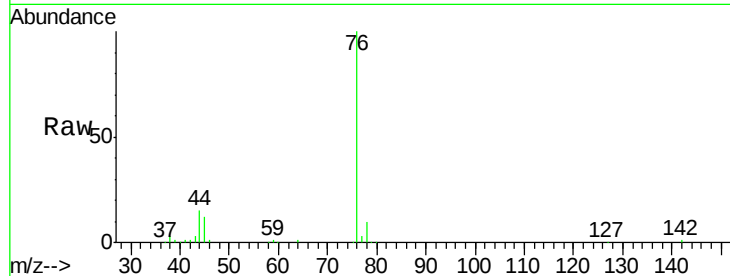
#17
Carbon Disulfide
Concen: 52.913 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

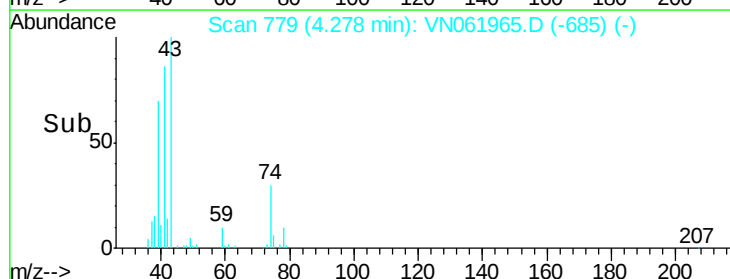
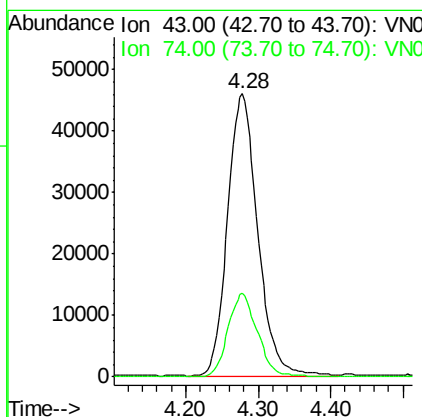
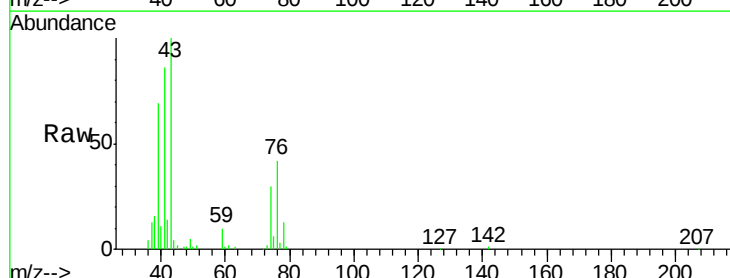
Manual Integrations
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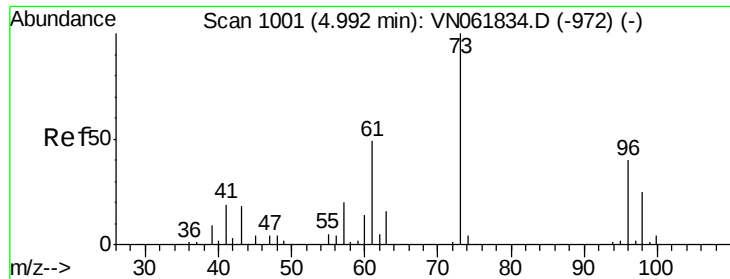
MMDadoda
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#18
Methyl Acetate
Concen: 73.165 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.9	23.0	34.4





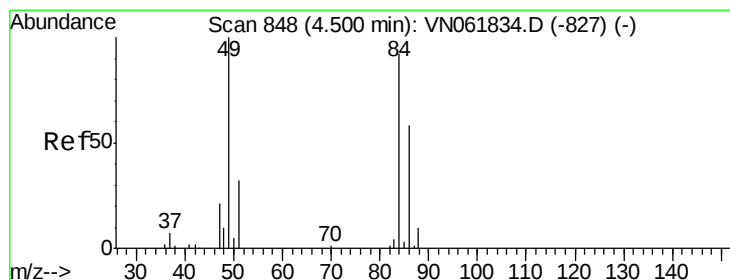
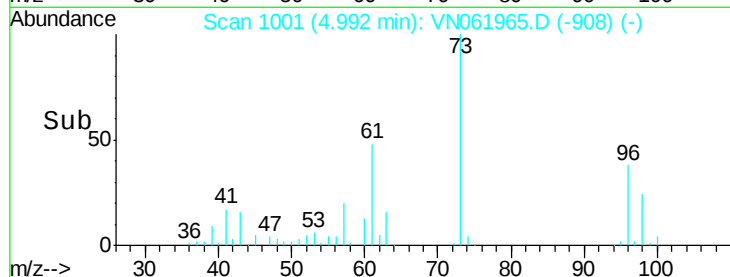
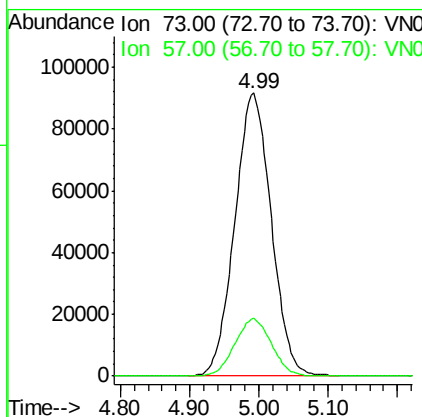
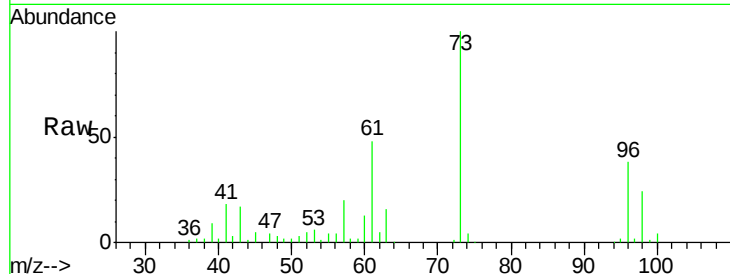
#19
Methvl tert-butvl Ether
Concen: 62.235 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion: 73 Resp: 335762
Ion Ratio Lower Upper
73 100
57 20.4 16.2 24.4

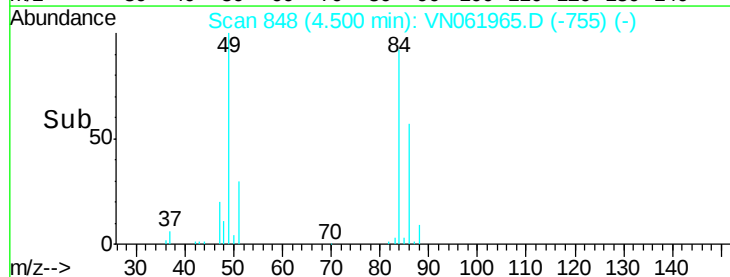
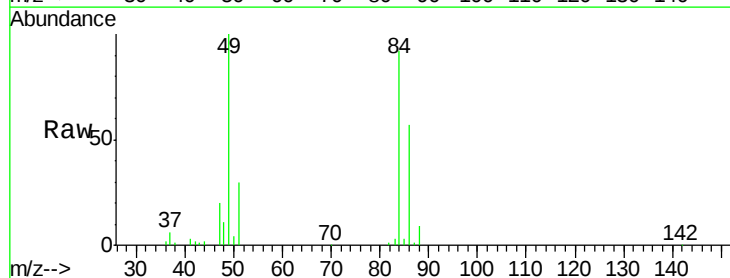
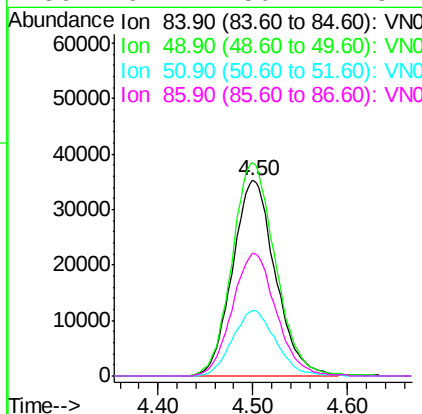
Manual Integrations
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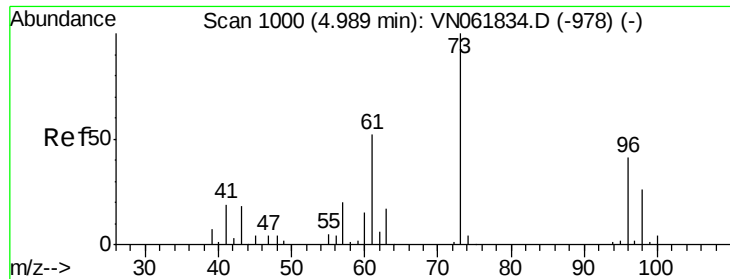
MMDadoda
6/22/2020 1:27:23 PM



#20
Methylene Chloride
Concen: 53.873 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion: 84 Resp: 110887
Ion Ratio Lower Upper
84 100
49 109.3 87.0 130.4
51 33.3 27.8 41.6
86 62.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 61.373 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

S49-0563MS

Tot Ion: 96 Resp: 114226

Ion Ratio Lower Upper

96 100

61 129.4 102.2 153.4

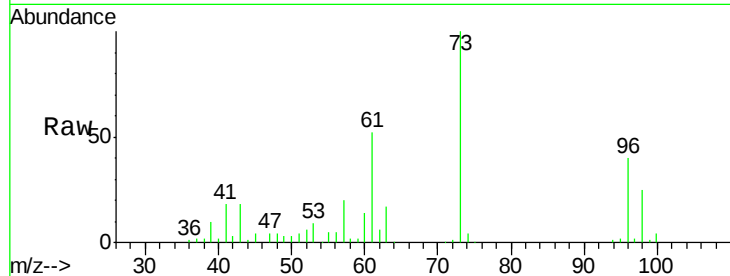
98 62.6 51.2 76.8

Manual Integrations

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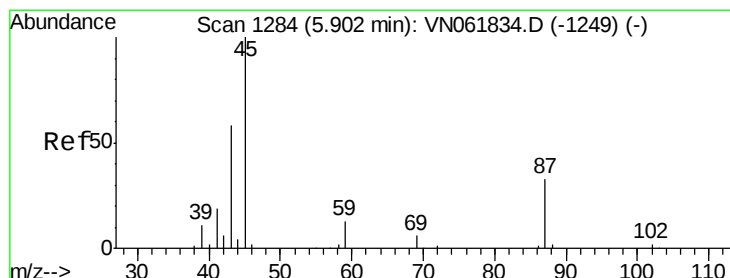
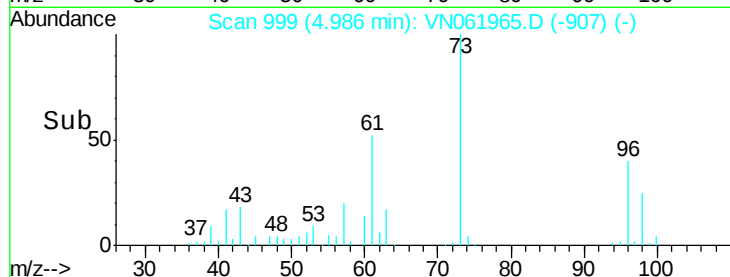
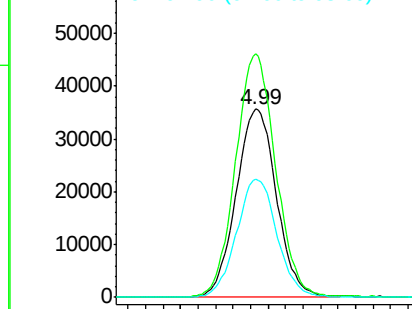


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 59.659 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Tgt Ion: 45 Resp: 293429

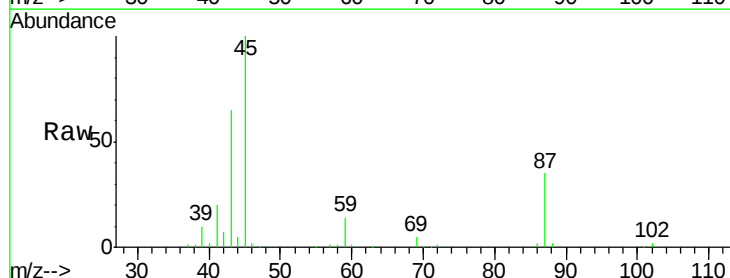
Ion Ratio Lower Upper

45 100

43 63.2 49.4 74.2

87 34.6 27.4 41.0

59 13.5 10.6 15.8



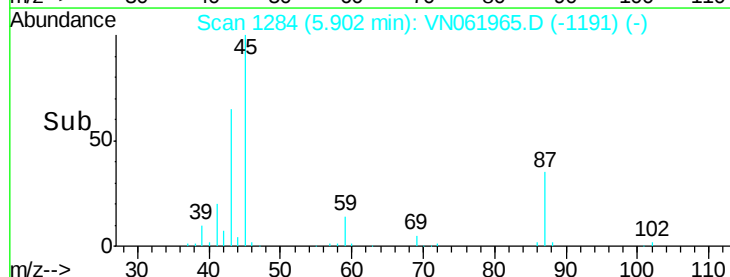
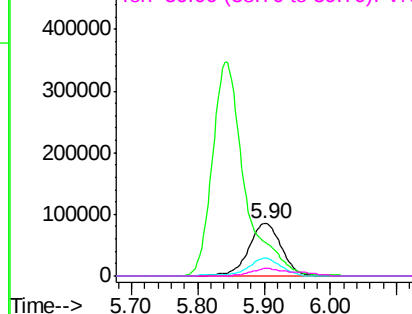
Abundance

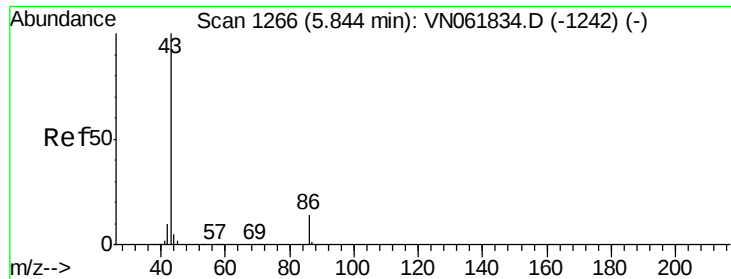
Ion 45.00 (44.70 to 45.70): VN0

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: 304.327 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

ClientSampled :

S49-0563MS

Tot Ion: 43 Resp: 1177259

Ion Ratio Lower Upper

43 100

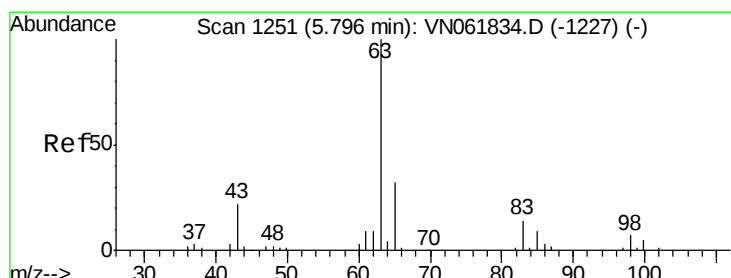
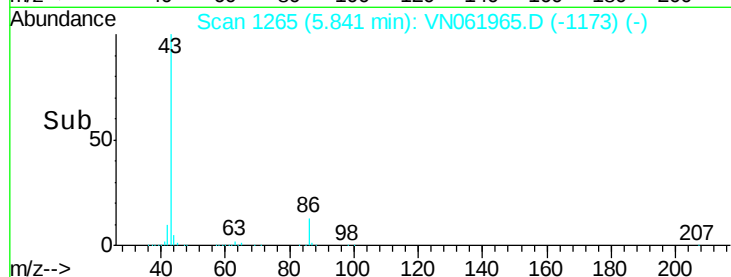
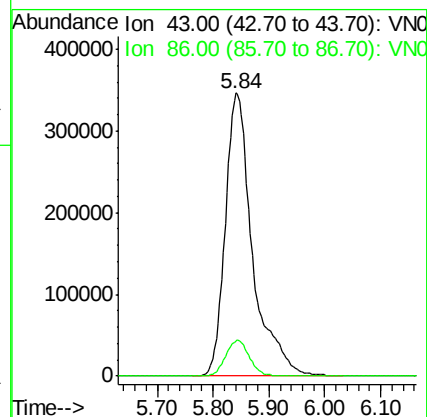
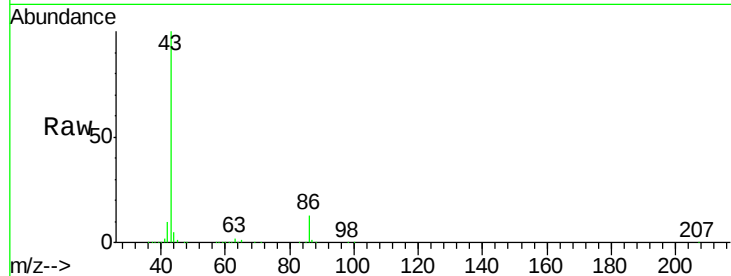
86 12.6 10.9 16.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 56.893 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

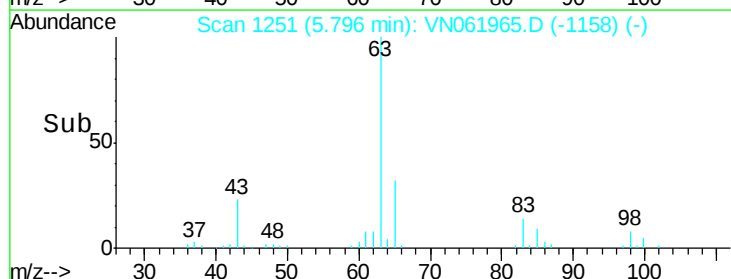
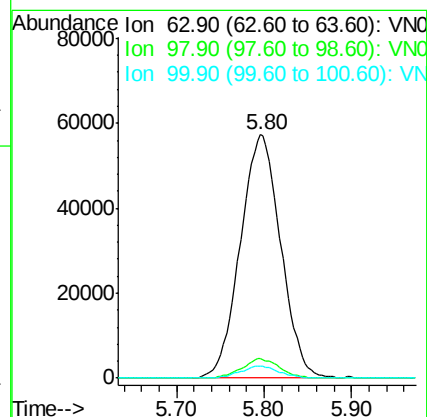
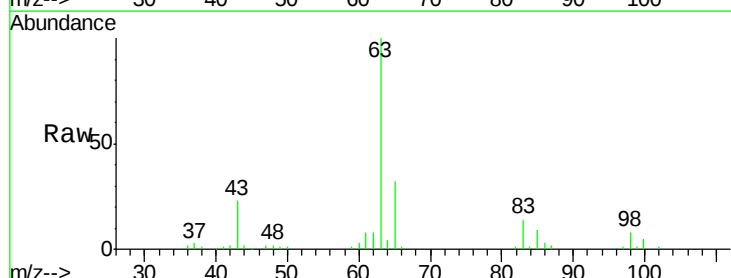
Tgt Ion: 63 Resp: 183177

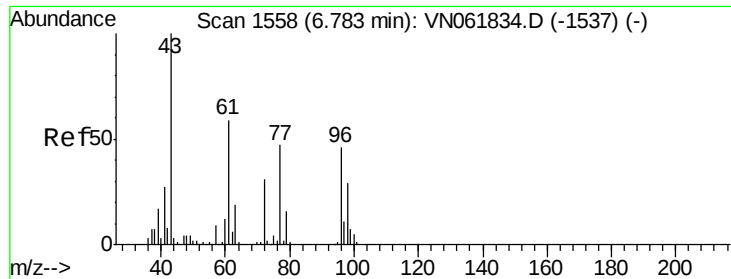
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.4

100 5.0 2.5 7.4





#25

2-Butanone

Concen: 3247.838 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

S49-0563MS

Tot Ion: 43 Resp: 2993701

Ion Ratio Lower Upper

43 100

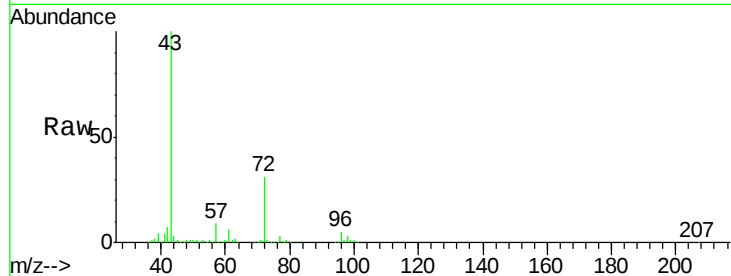
72 31.4 24.6 37.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-1537) (-)

Ion 72.00 (71.70 to 72.70): VN061834.D (-1537) (-)

1200000

1000000

800000

600000

400000

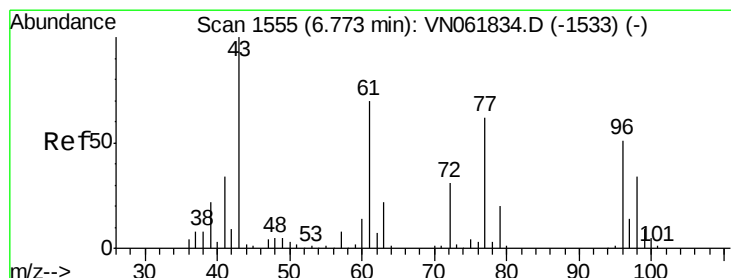
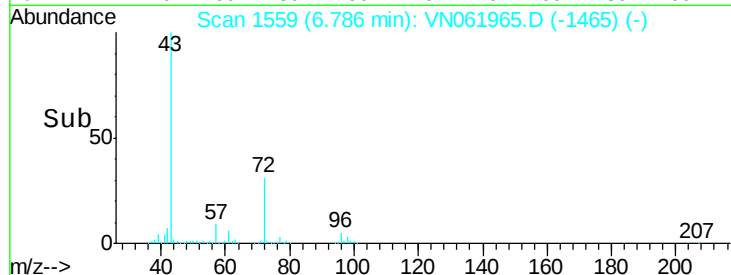
200000

0

6.79

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 49.302 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061965.D

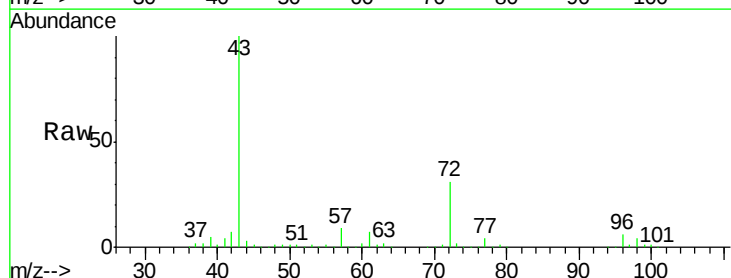
Acq: 19 Jun 2020 20:24

Tgt Ion: 77 Resp: 133550

Ion Ratio Lower Upper

77 100

97 24.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VN061834.D (-1533) (-)

Ion 96.90 (96.60 to 97.60): VN061834.D (-1533) (-)

50000

40000

30000

20000

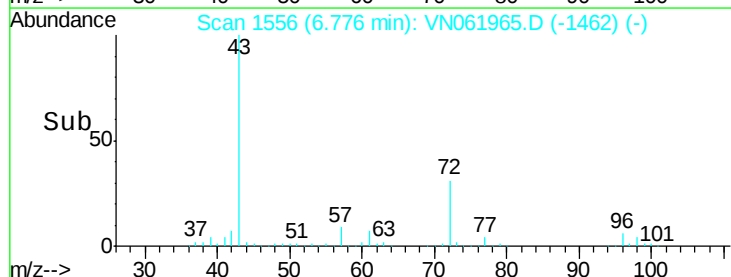
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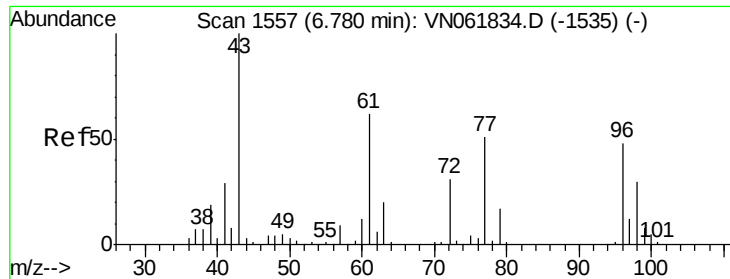
0

6.78

6.70 6.80 6.90

Time-->





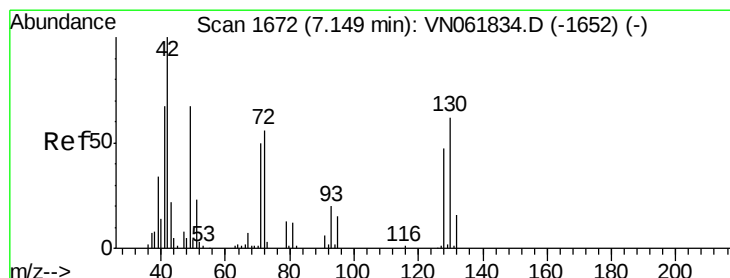
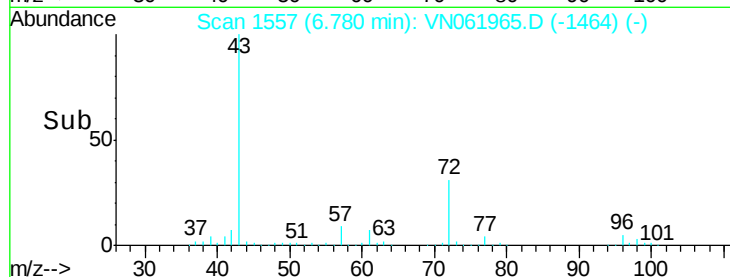
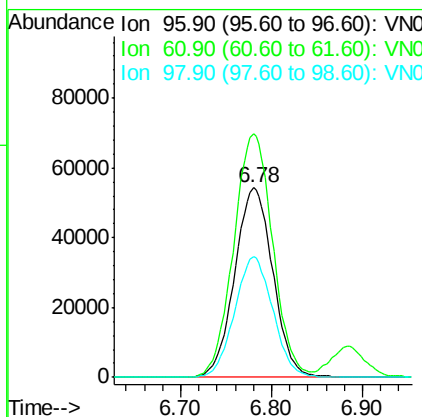
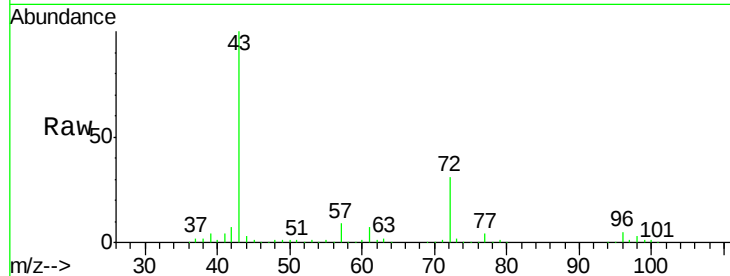
#27
 cis-1,2-Dichloroethene
 Concen: 73.850 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	158594		
61	130.8	0.0	265.6	
98	63.5	0.0	128.2	

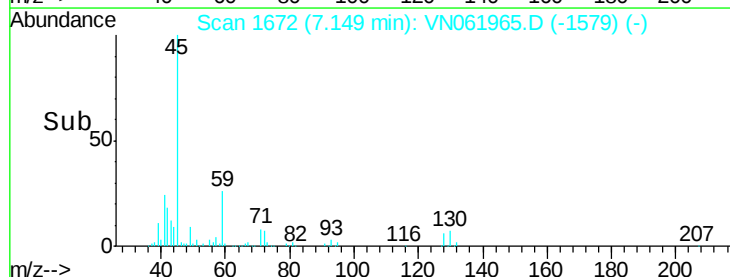
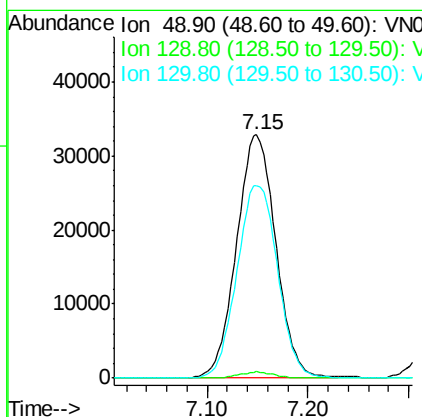
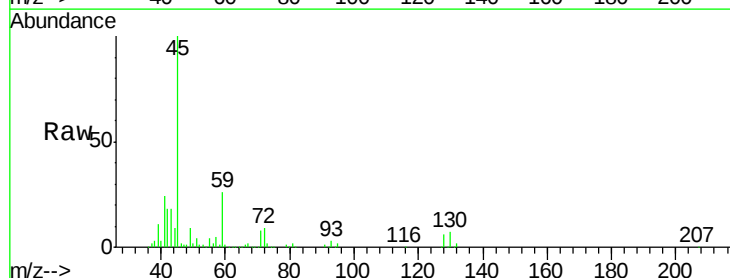
Manual Integrations
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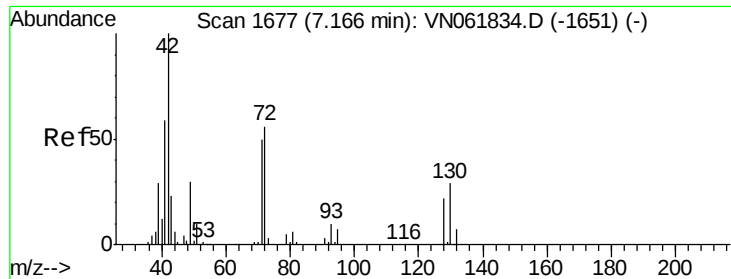
MMDadoda
 6/22/2020 1:27:23 PM



#28
 Bromochloromethane
 Concen: 61.970 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	88839		
129	2.1	0.0	4.0	
130	82.0	72.2	108.2	





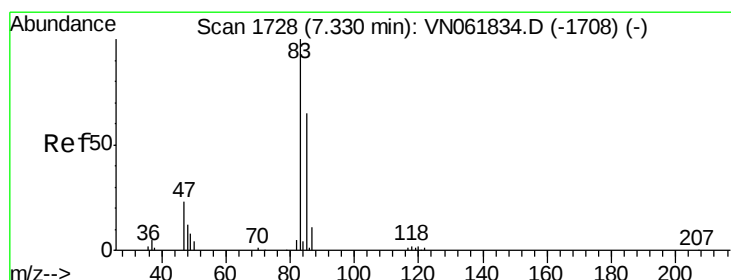
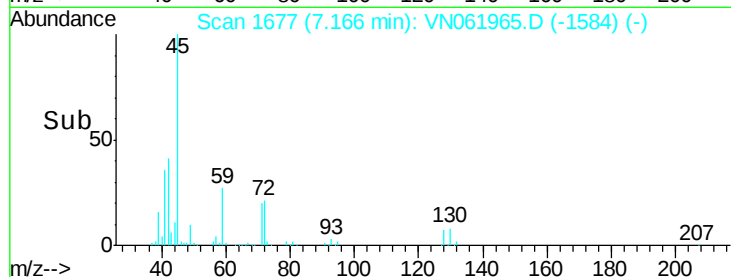
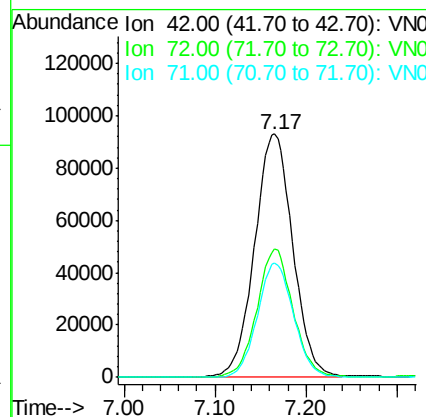
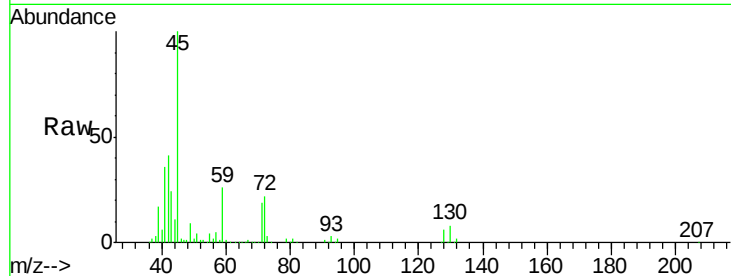
#29
Tetrahydrofuran
Concen: 447.805 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.2	44.0	66.0
71	44.4	40.0	60.0

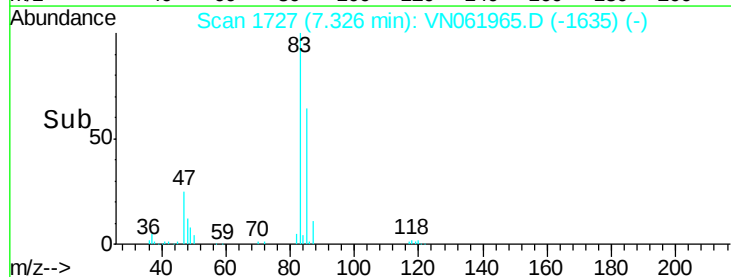
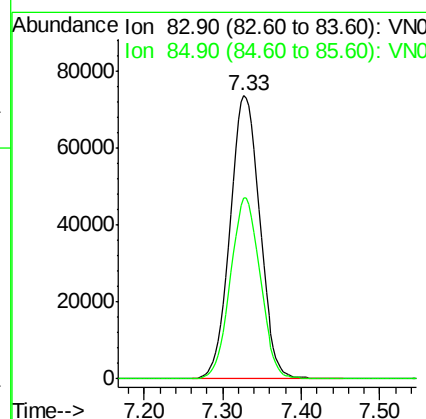
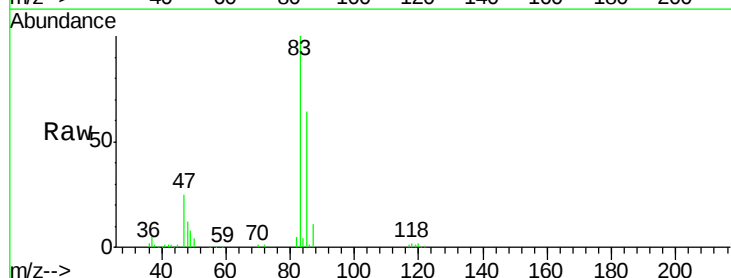
Manual Integrations
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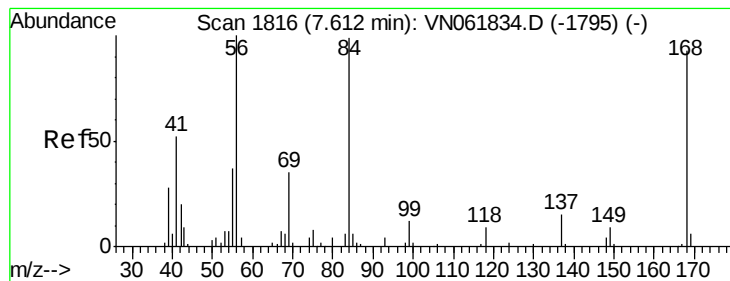
MMDadoda
6/22/2020 1:27:23 PM



#30
Chloroform
Concen: 56.369 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.0	78.0





#31

Cyclohexane

Concen: 42.868 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

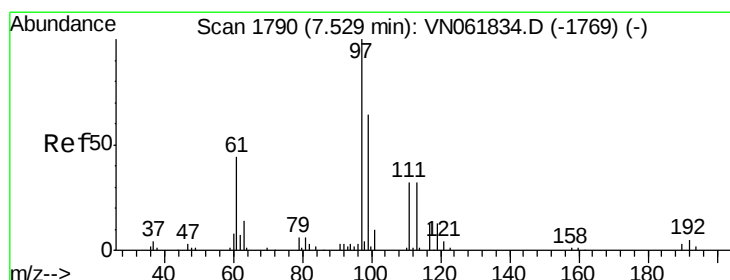
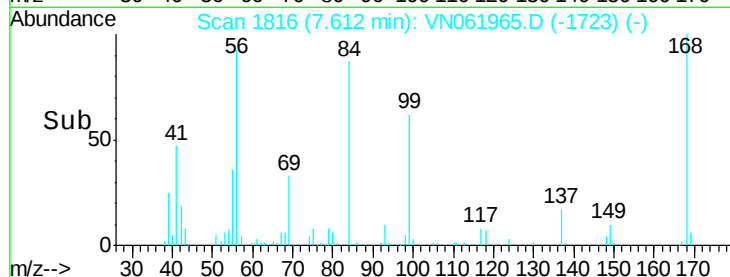
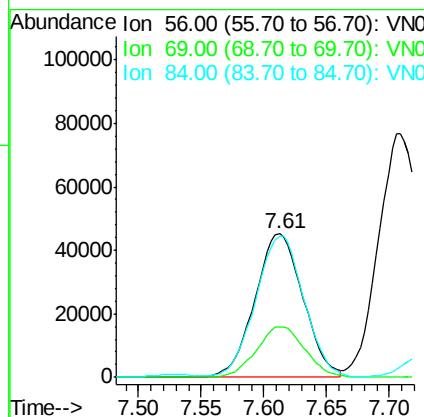
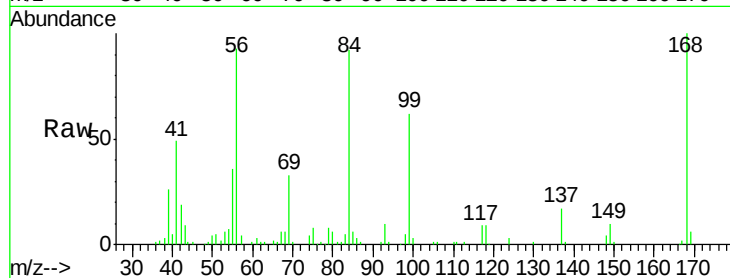
ClientSampled :

S49-0563MS

Tot Ion:	56	Resp:	120826
Ion	Ratio	Lower	Upper
56	100		
69	35.5	27.7	41.5
84	97.1	79.1	118.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.459 ug/l

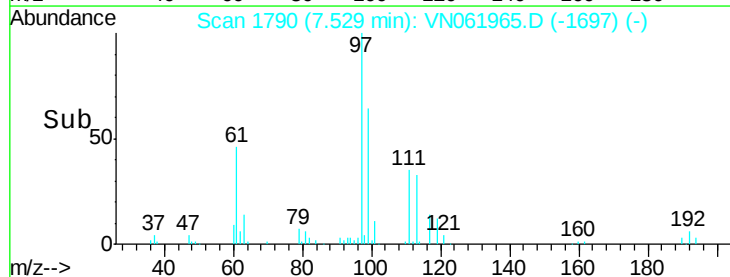
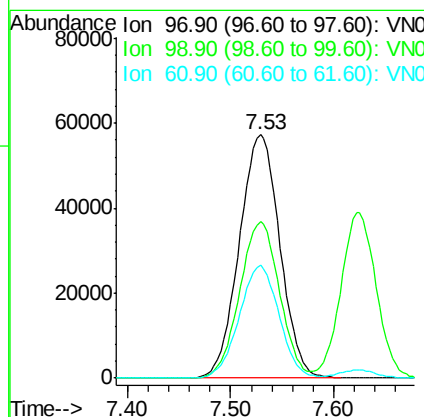
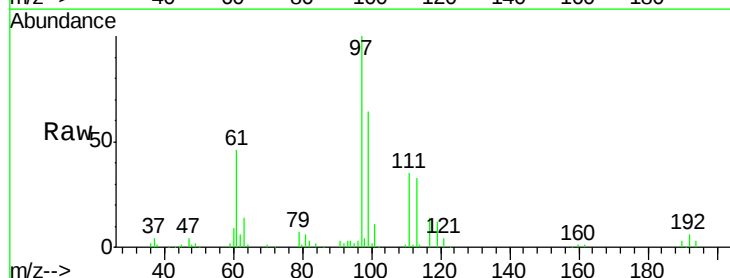
RT: 7.53 min Scan# 1790

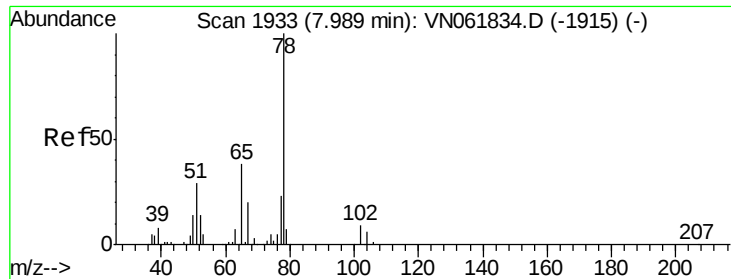
Delta R.T. 0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Tgt Ion:	97	Resp:	156661
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.5	77.3
61	45.5	35.1	52.7





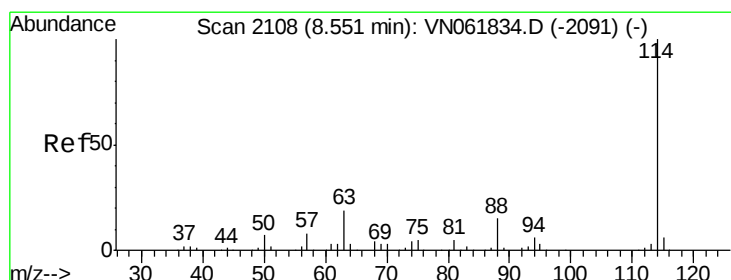
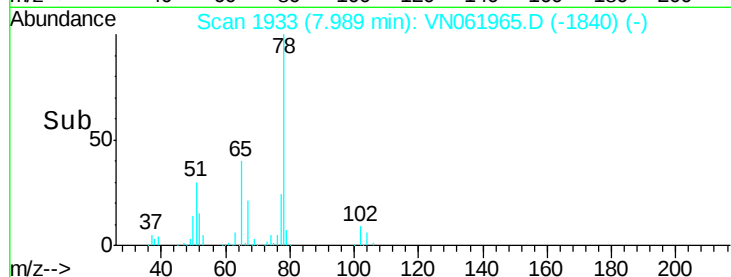
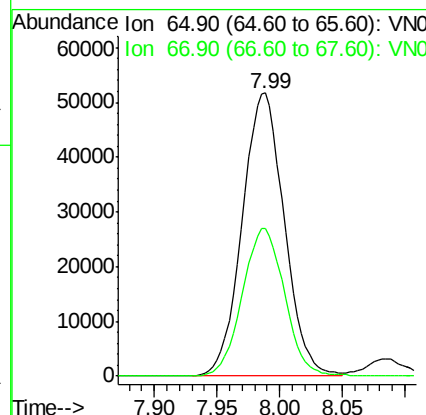
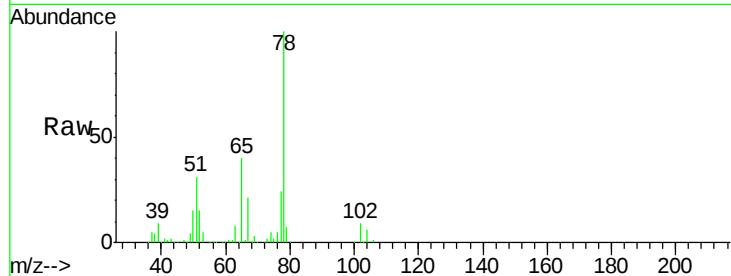
#33
 1,2-Dichloroethane-d4
 Concen: 56.417 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	120666		
67	52.3	0.0	106.2	

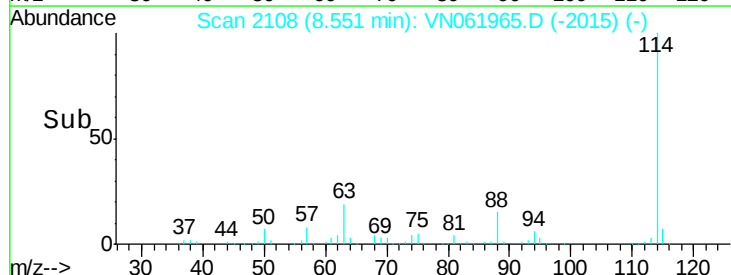
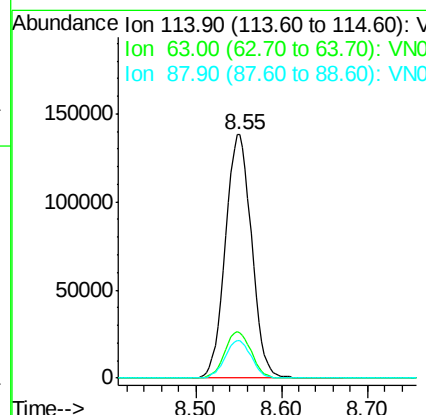
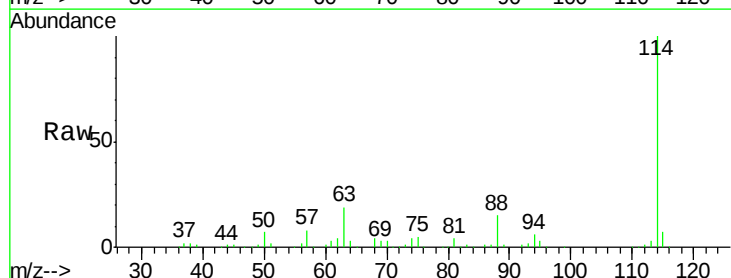
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	292862		
63	18.7	0.0	37.6	
88	15.2	0.0	31.0	





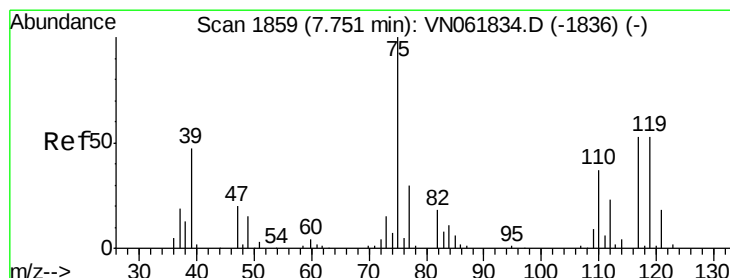
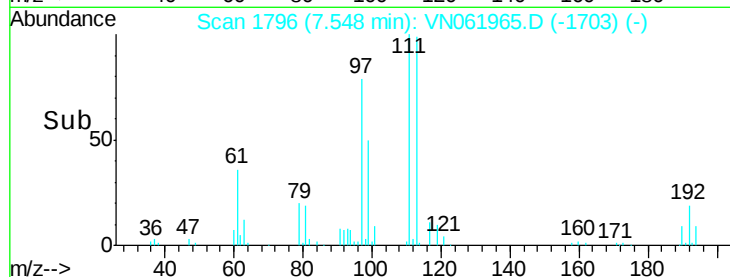
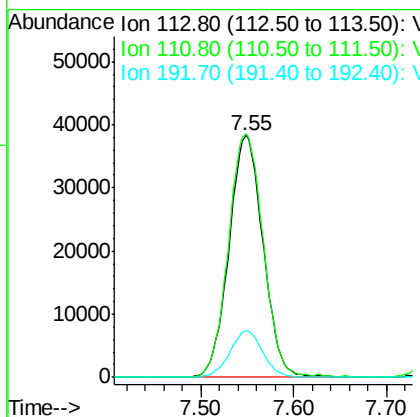
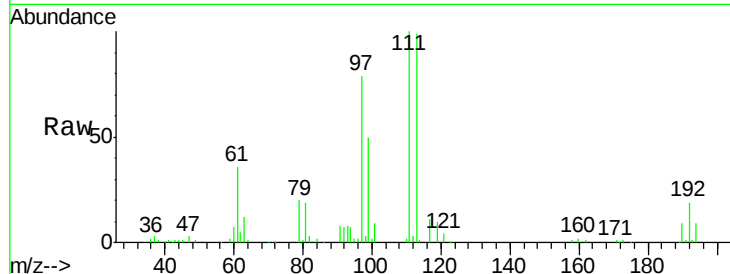
#35
 Dibromofluoromethane
 Concen: 52.171 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.7	125.5
192	18.5	13.9	20.9

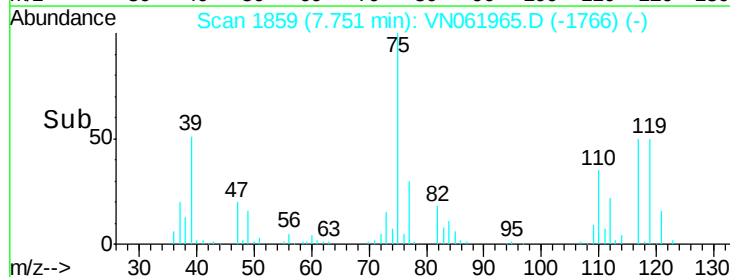
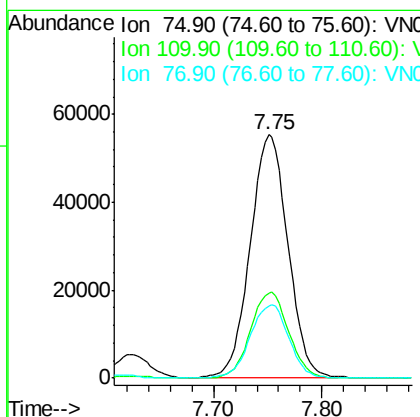
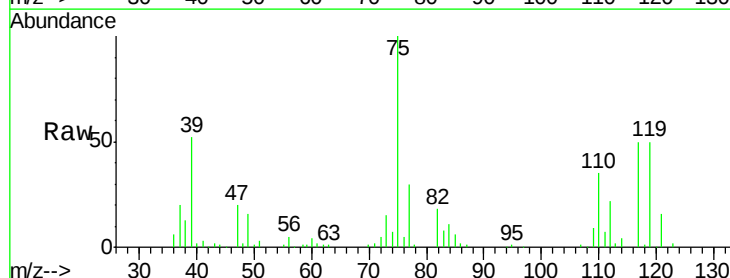
Manual Integrations
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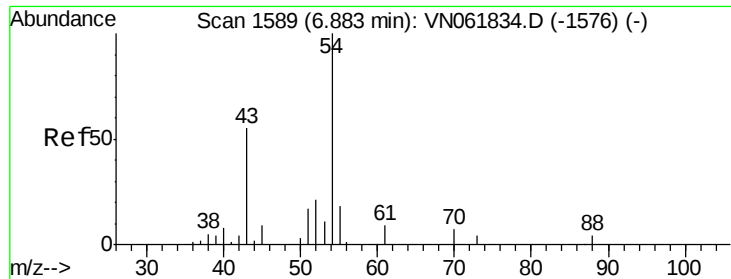
MMDadoda
 6/22/2020 1:27:23 PM



#36
 1,1-Dichloropropene
 Concen: 50.397 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.2	54.6
77	30.8	24.2	36.4





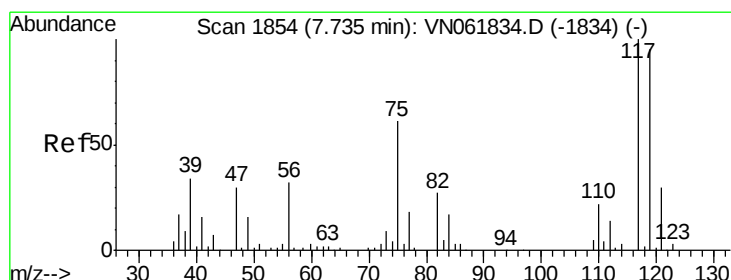
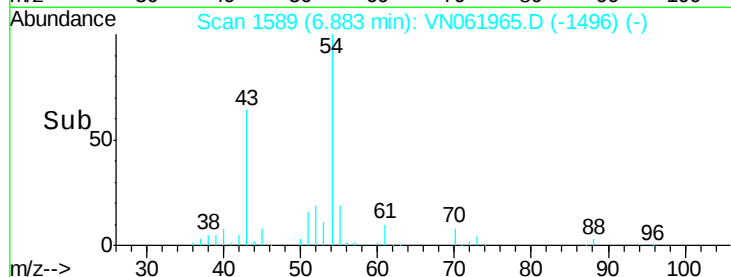
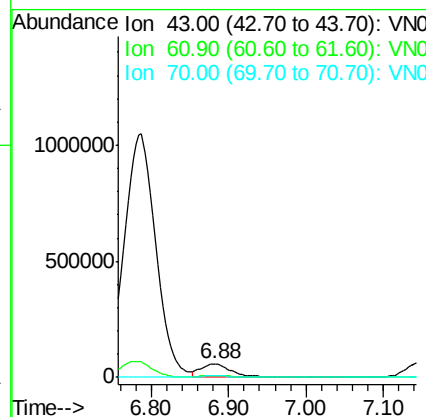
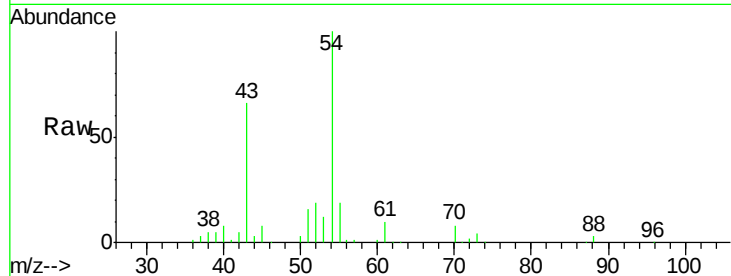
#37
Ethyl Acetate
Concen: 77.093 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampled :
S49-0563MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	13.0	19.4
70	11.4	9.4	14.2

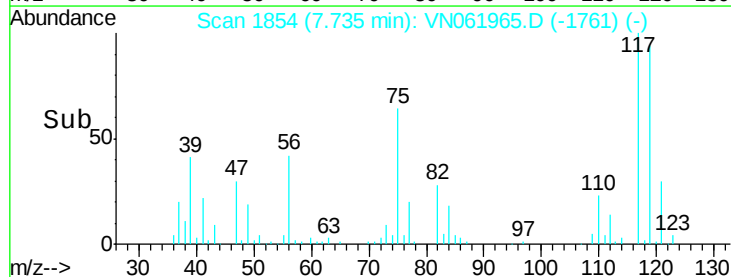
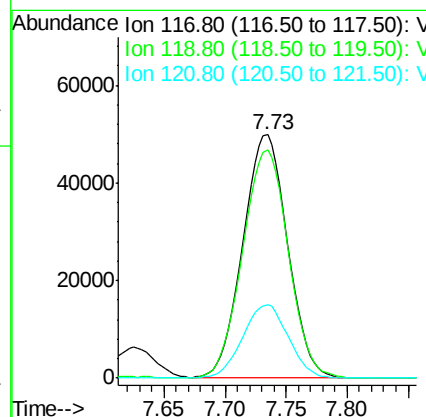
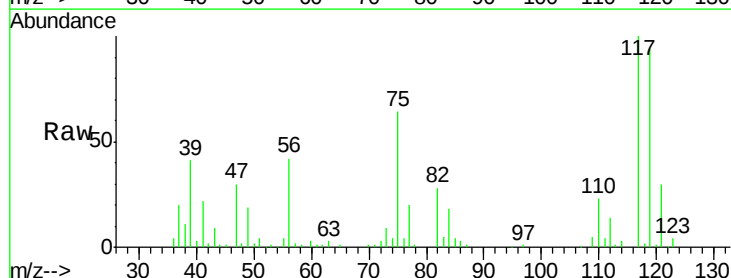
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 47.520 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.8	113.6
121	30.4	23.8	35.6





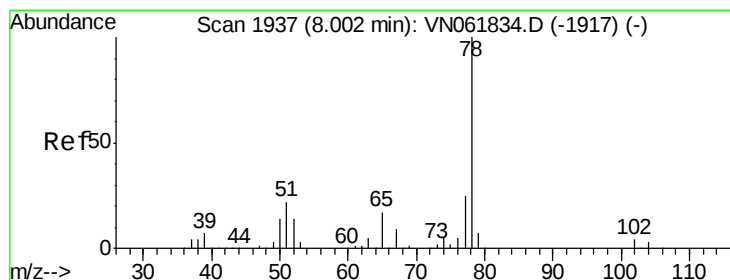
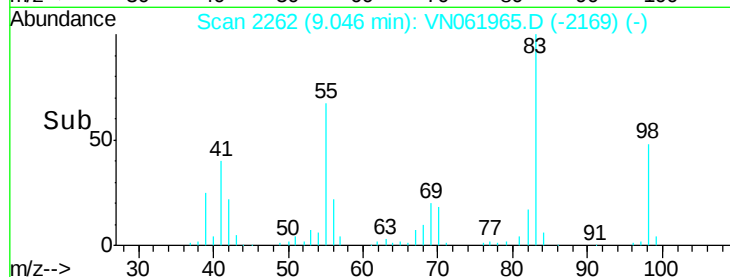
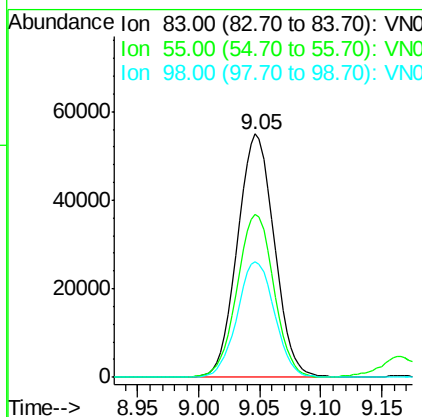
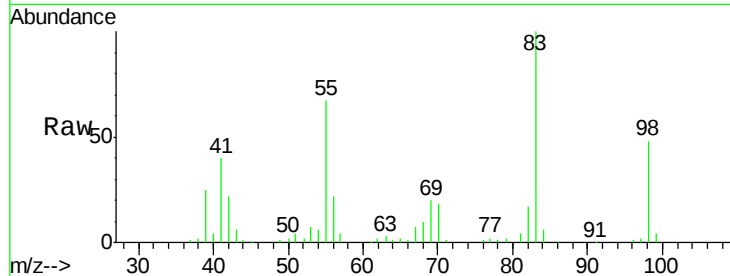
#39
Methvlcvclohexane
Concen: 39.970 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.8	54.2	81.4
98	47.6	39.8	59.6

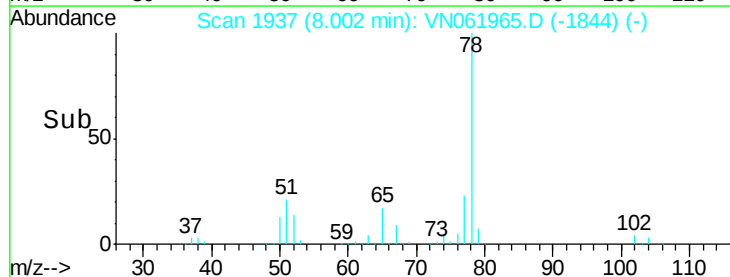
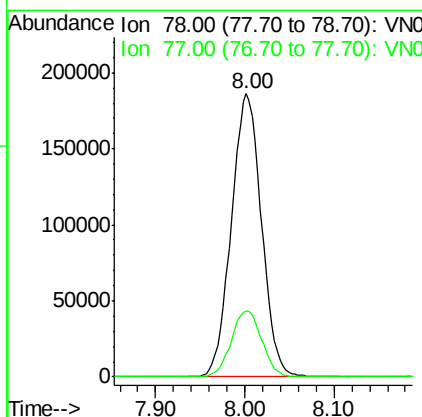
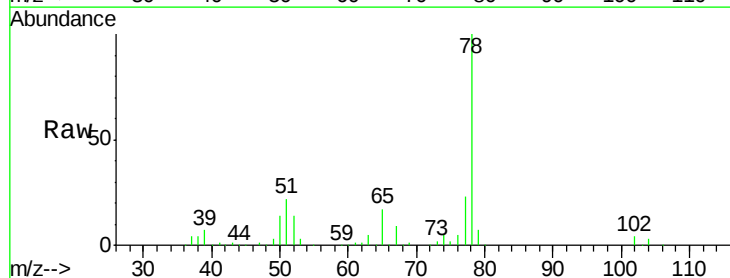
Manual Integrations
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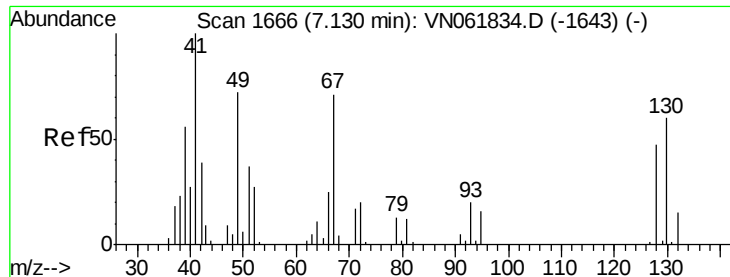
MMDadoda
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#40
Benzene
Concen: 53.954 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.7	29.5





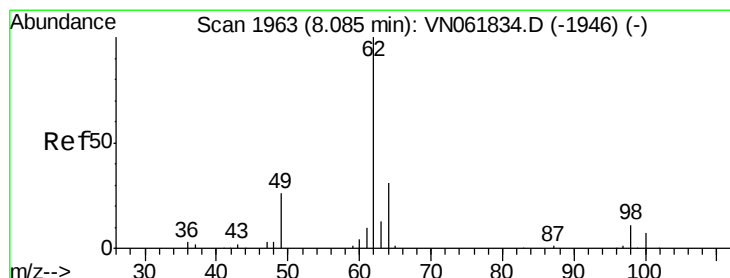
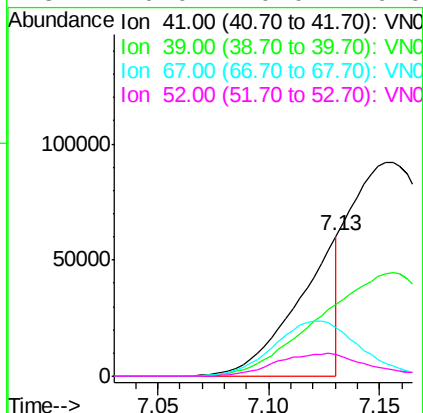
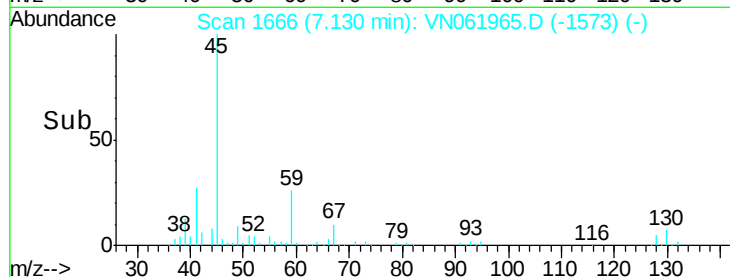
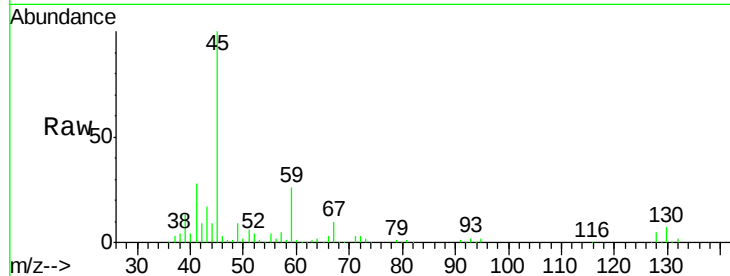
#41
Methacrylonitrile
Concen: 89.033 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion:	41	Resp:	79416
Ion	Ratio	Lower	Upper
41	100		
39	217.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

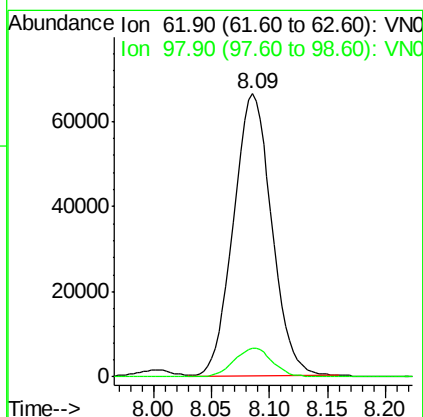
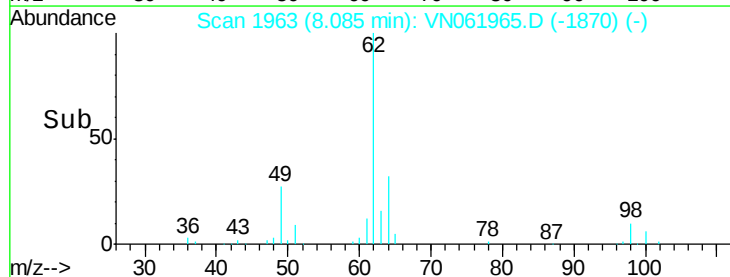
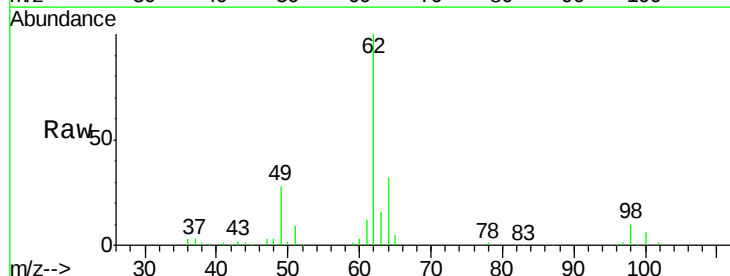
Manual Integrations
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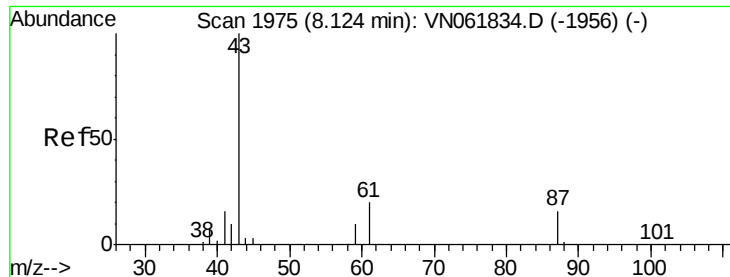
MMDadoda
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#42
1,2-Dichloroethane
Concen: 55.196 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion:	62	Resp:	152289
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

Isopropyl Acetate

Concen: 68.709 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

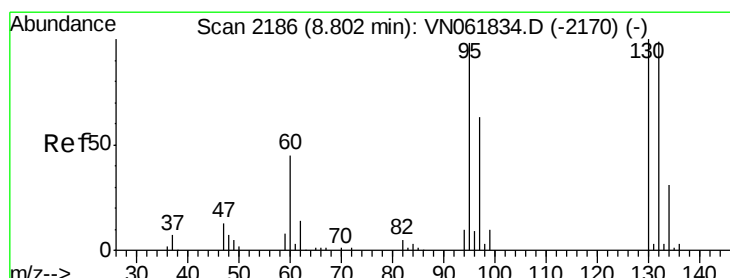
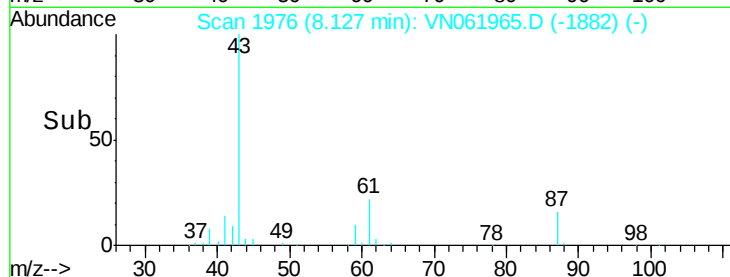
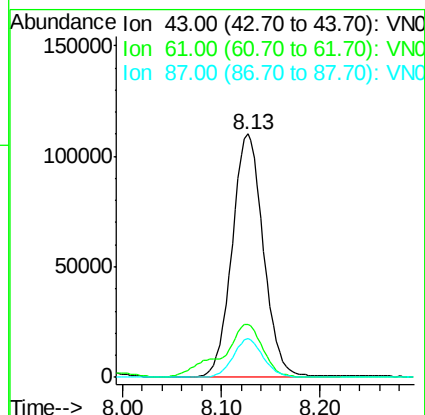
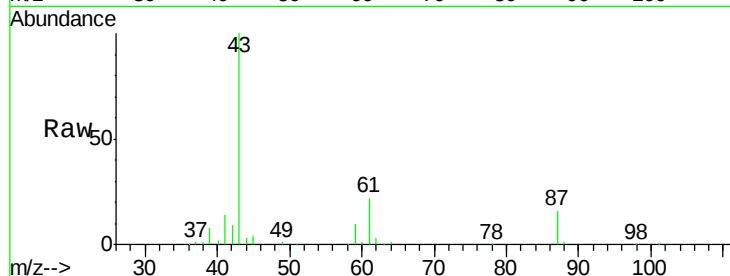
ClientSampleId :

S49-0563MS

Tot Ion:	43	Resp:	241537
Ion	Ratio	Lower	Upper
43	100		
61	28.6	24.0	36.0
87	15.3	12.5	18.7

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#44

Trichloroethene

Concen: 51.587 ug/l

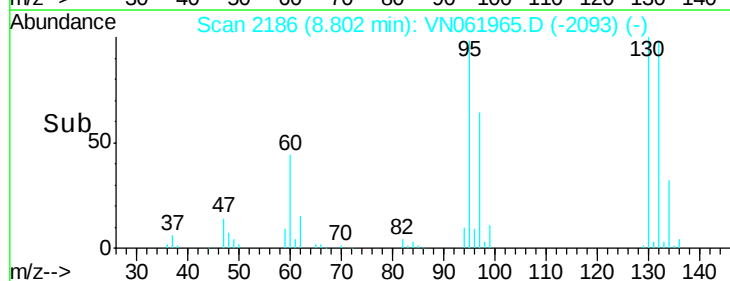
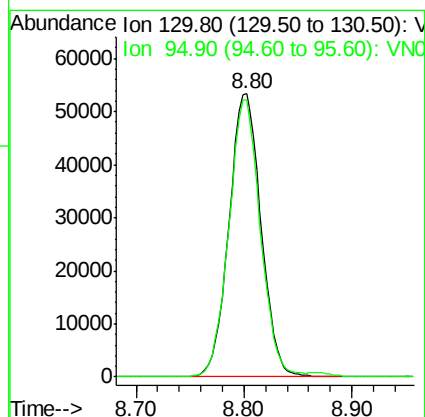
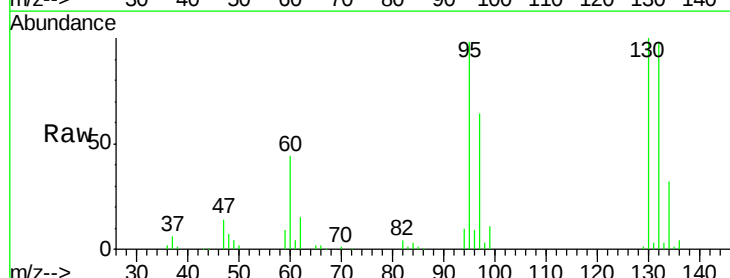
RT: 8.80 min Scan# 2186

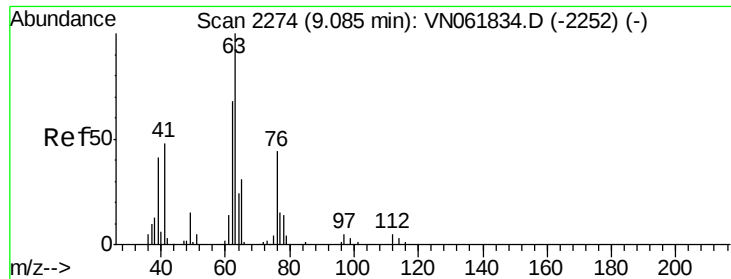
Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Tgt Ion:	130	Resp:	109857
Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	195.6





#45

1,2-Dichloropropane

Concen: 56.063 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

S49-0563MS

Tot Ion: 63 Resp: 111485

Ion Ratio Lower Upper

63 100

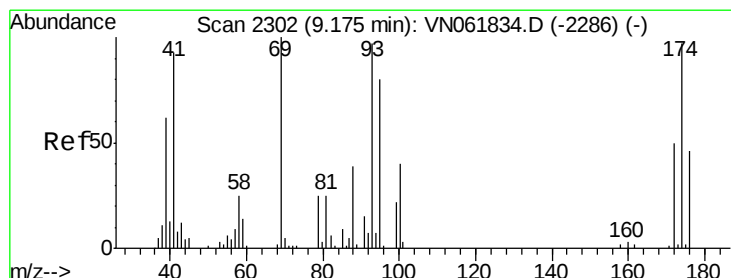
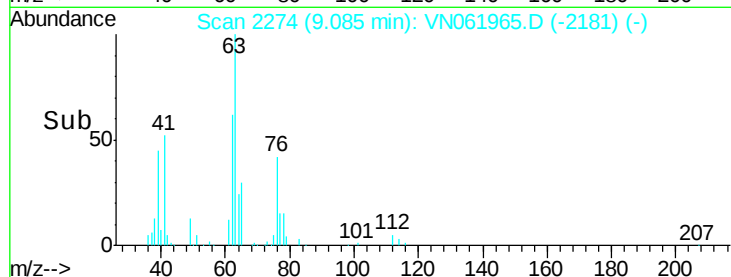
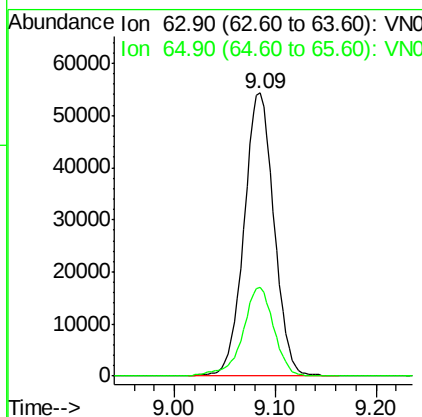
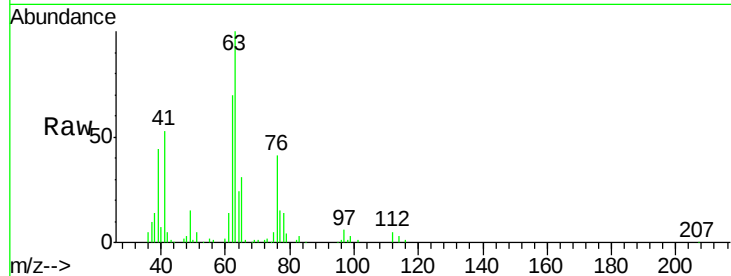
65 31.2 25.1 37.7

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#46

Dibromomethane

Concen: 55.960 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

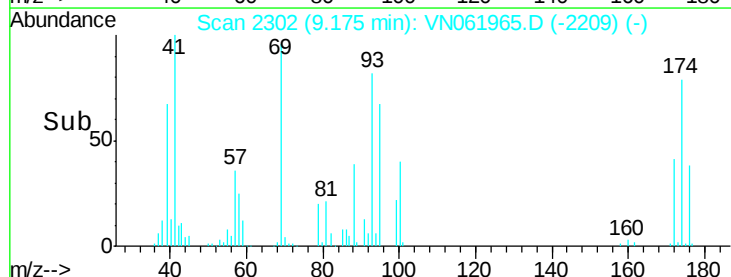
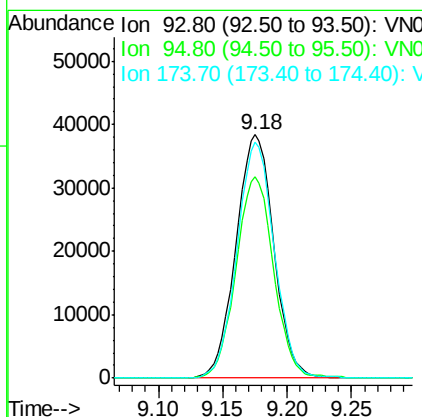
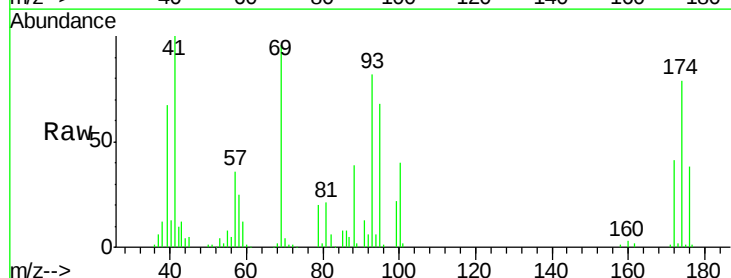
Tgt Ion: 93 Resp: 78362

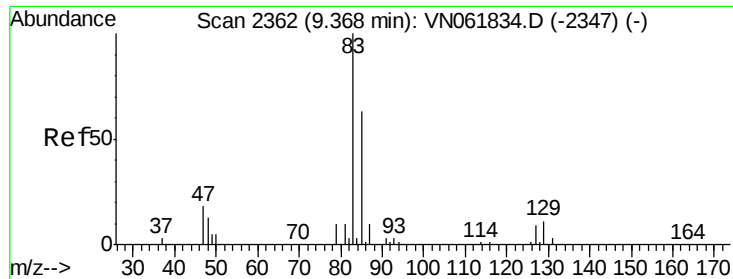
Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.6

174 95.2 78.5 117.7





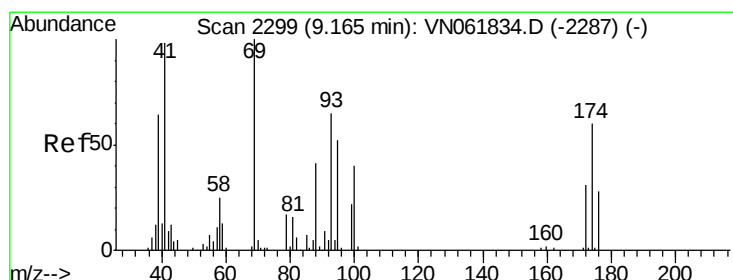
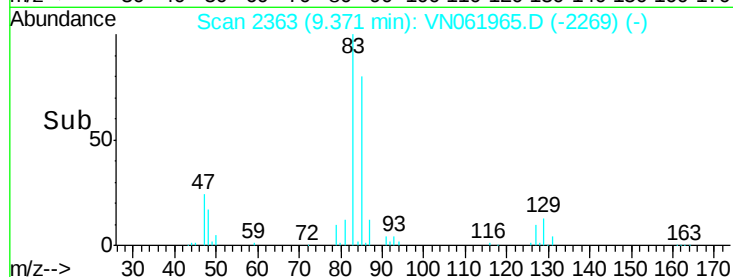
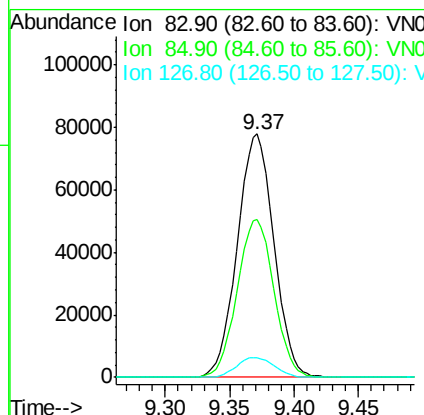
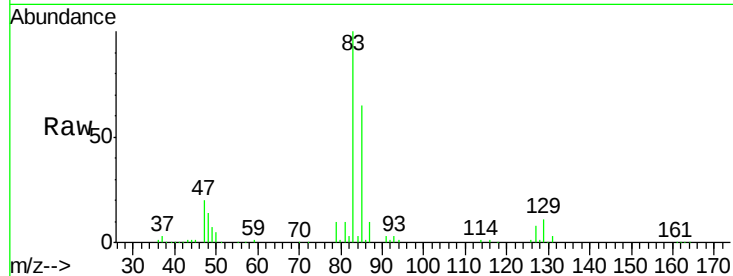
#47
Bromodichloromethane
Concen: 53.646 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampled :
S49-0563MS

Tot Ion	83	Resp	153823
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	50.8	76.2
127	8.1	7.0	10.4

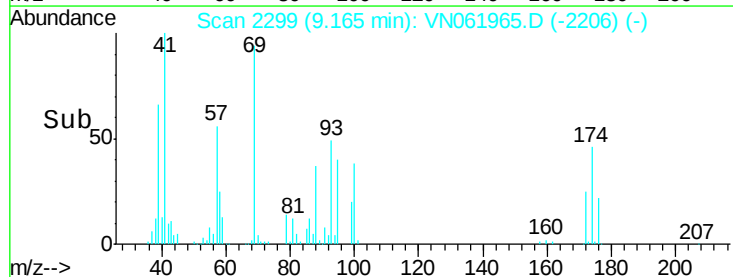
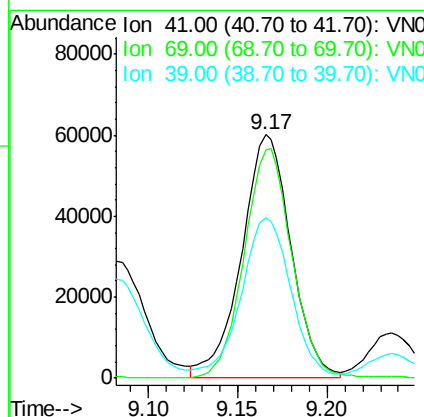
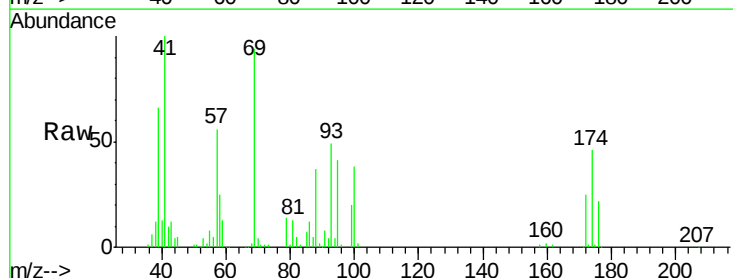
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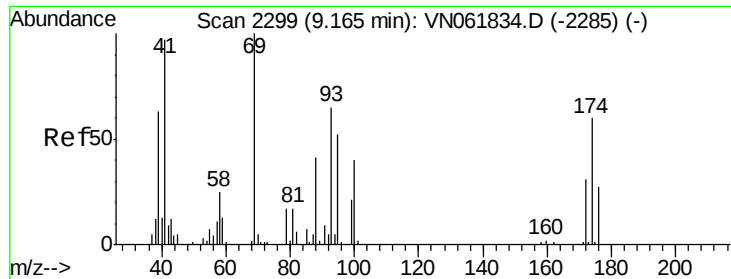
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6/22/2020 1:27:23 PM



#48
Methyl methacrylate
Concen: 72.732 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	41	Resp	116273
Ion Ratio	100	Lower	Upper
41	100		
69	91.4	83.0	124.4
39	66.6	55.1	82.7





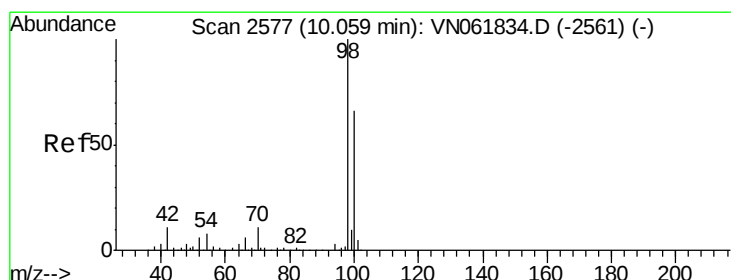
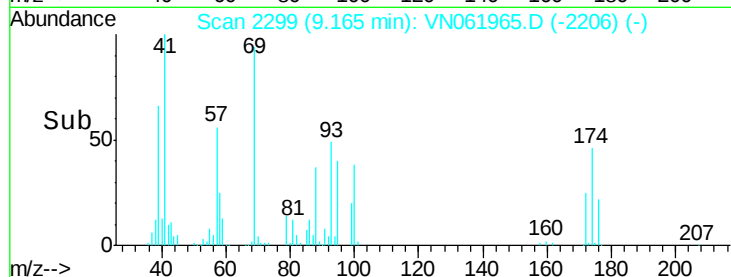
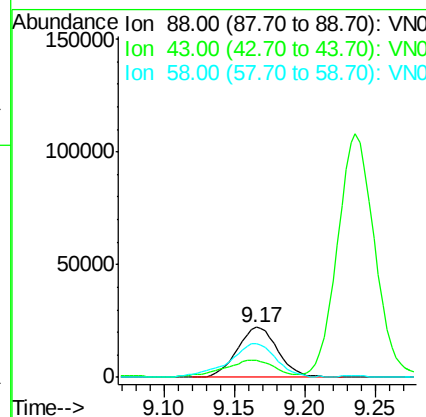
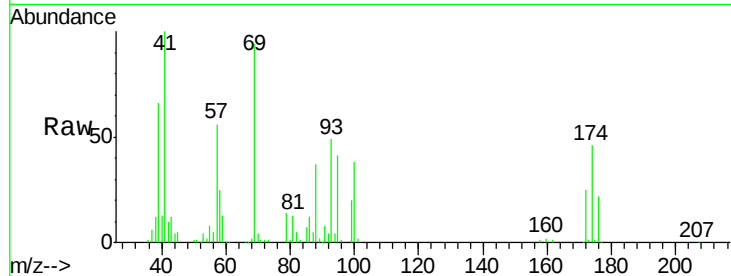
#49
1,4-Dioxane
Concen: 1228.586 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion: 88 Resp: 45093
Ion Ratio Lower Upper
88 100
43 38.3 23.4 35.2#
58 78.7 49.8 74.6#

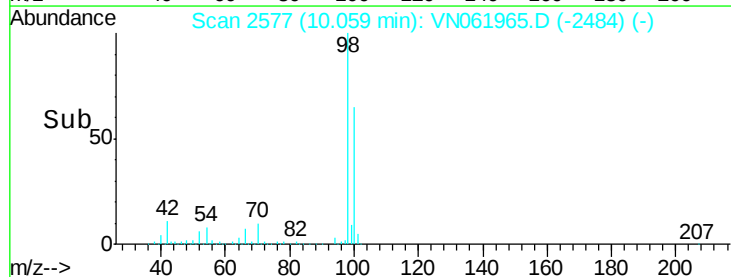
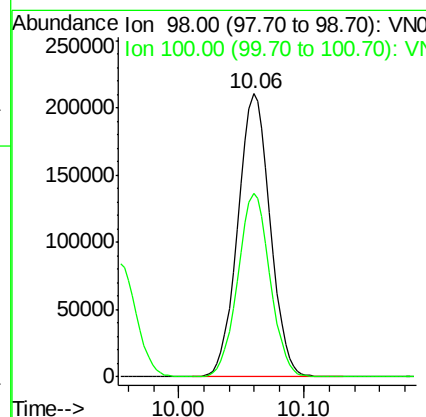
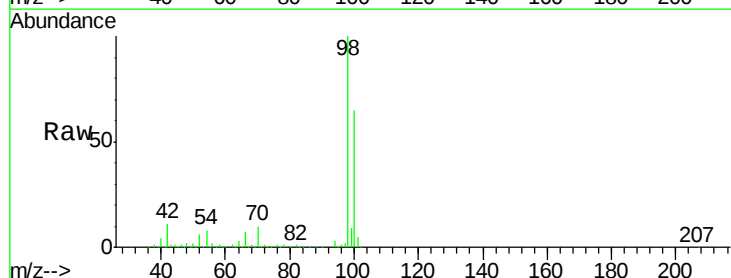
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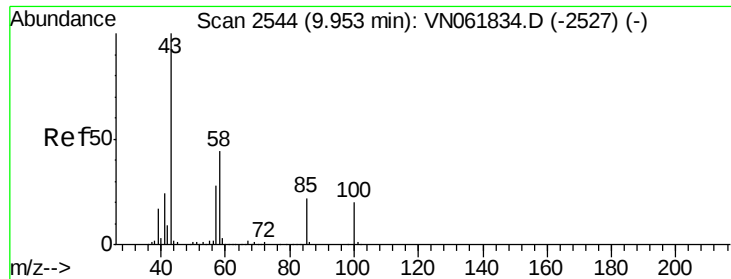
MMDadoda
6/22/2020 1:27:23 PM



#50
Toluene-d8
Concen: 51.130 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion: 98 Resp: 376612
Ion Ratio Lower Upper
98 100
100 64.4 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 377.608 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

S49-0563MS

Tot Ion: 43 Resp: 784421

Ion Ratio Lower Upper

43 100

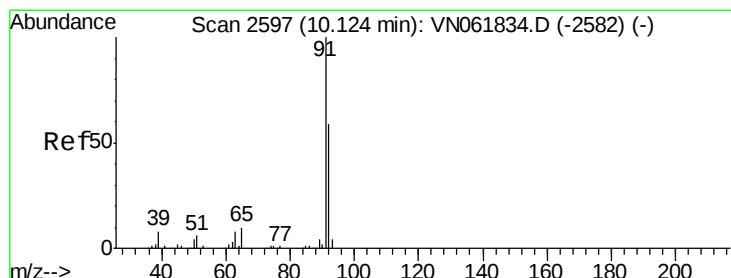
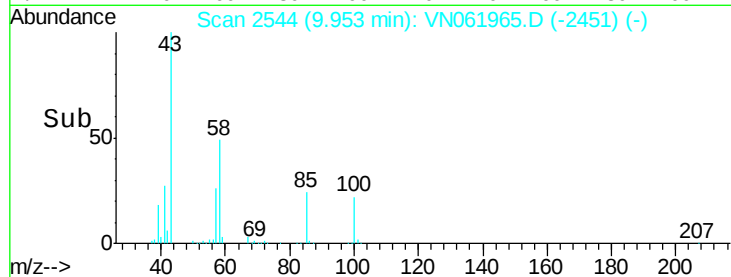
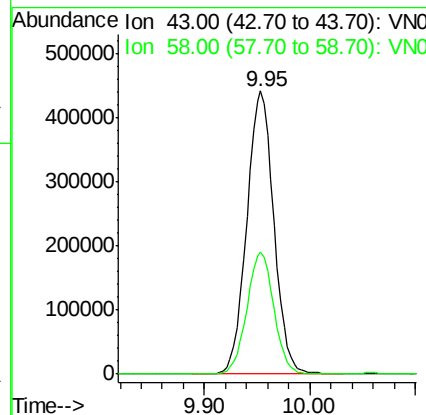
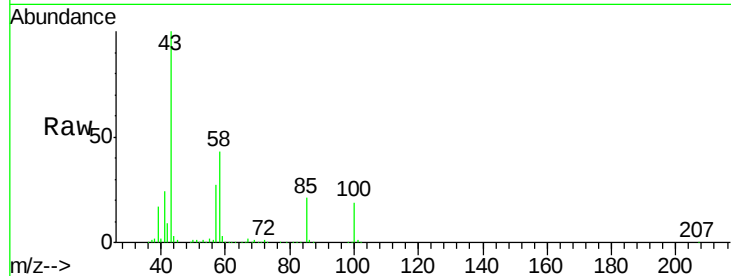
58 43.1 34.6 52.0

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6/22/2020 1:27:23 PM



#52

Toluene

Concen: 63.748 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061965.D

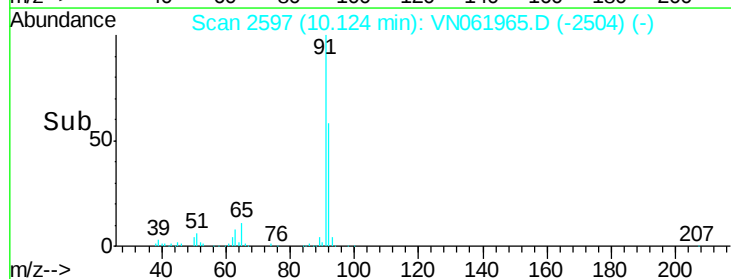
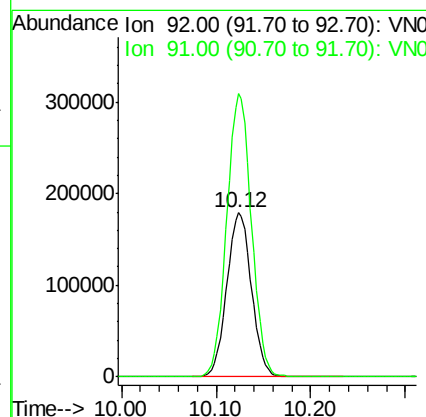
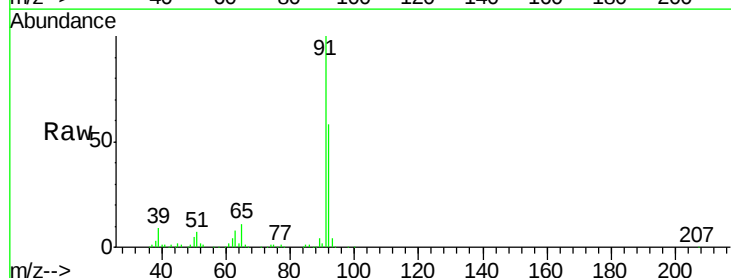
Acq: 19 Jun 2020 20:24

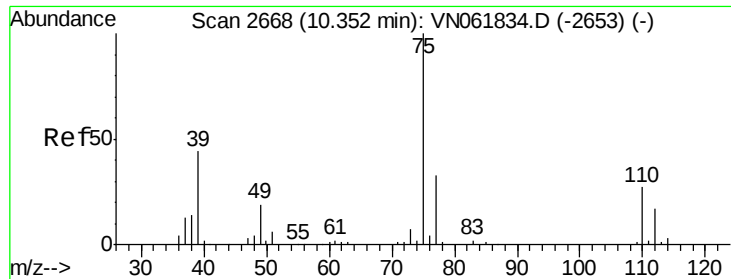
Tgt Ion: 92 Resp: 323960

Ion Ratio Lower Upper

92 100

91 173.2 137.1 205.7





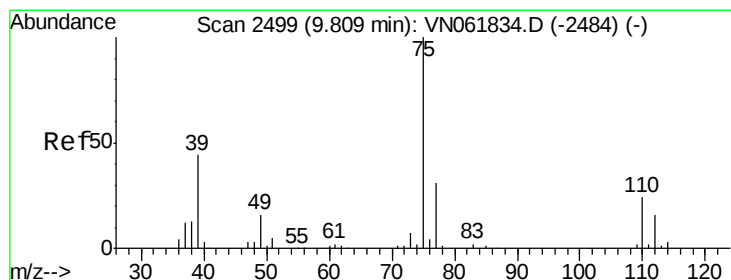
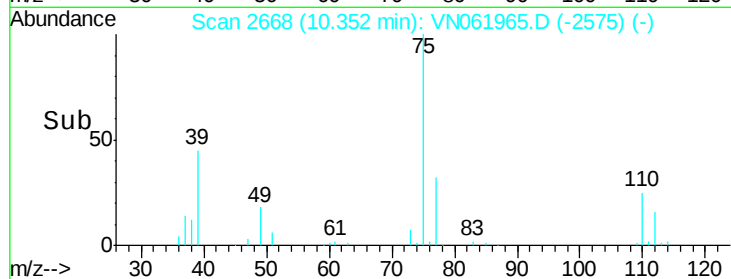
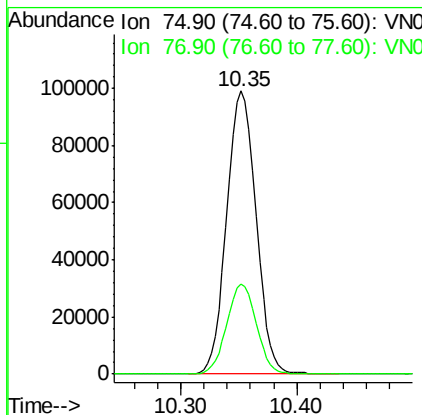
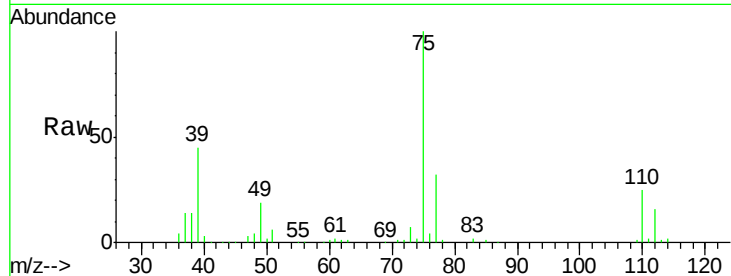
#53
t-1,3-Dichloropropene
Concen: 57.068 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampled :
S49-0563MS

Tot Ion: 75 Resp: 173713
Ion Ratio Lower Upper
75 100
77 31.8 26.3 39.5

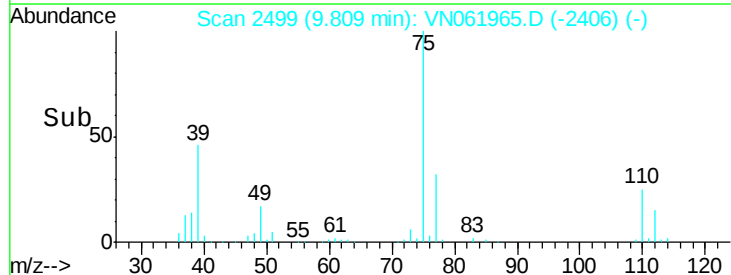
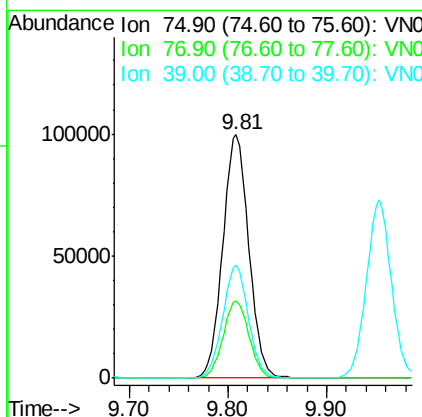
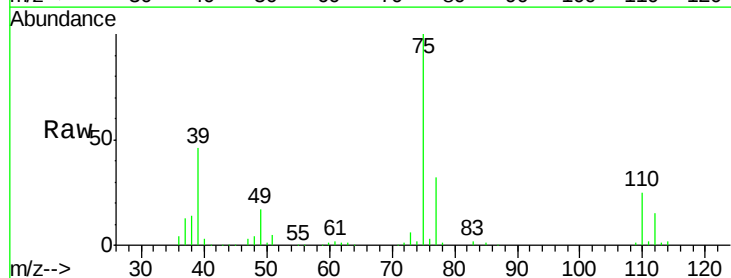
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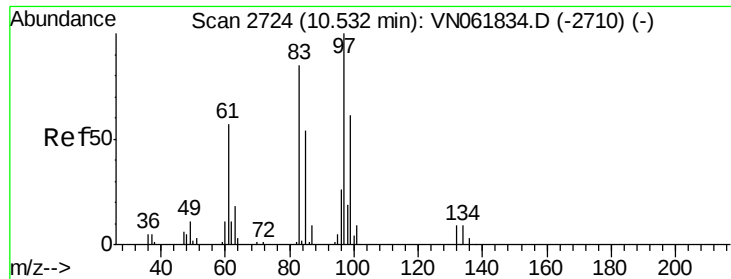
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#54
cis-1,3-Dichloropropene
Concen: 55.910 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion: 75 Resp: 184848
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 46.2 35.4 53.0





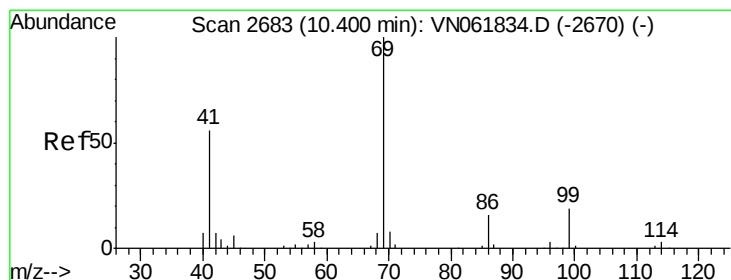
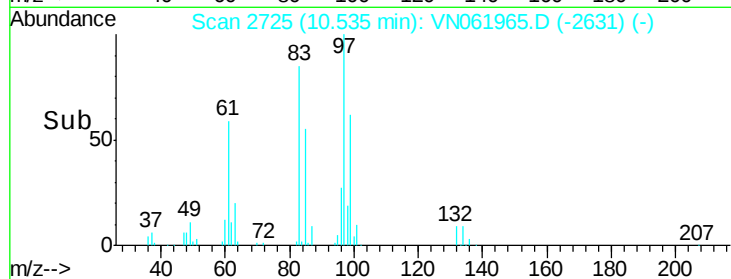
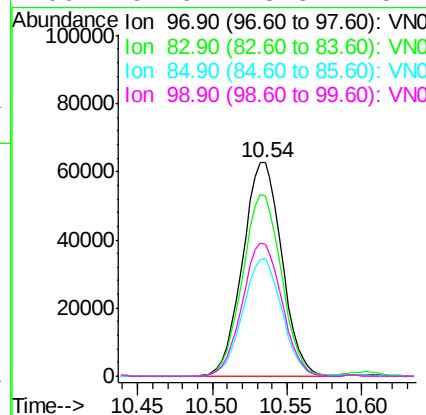
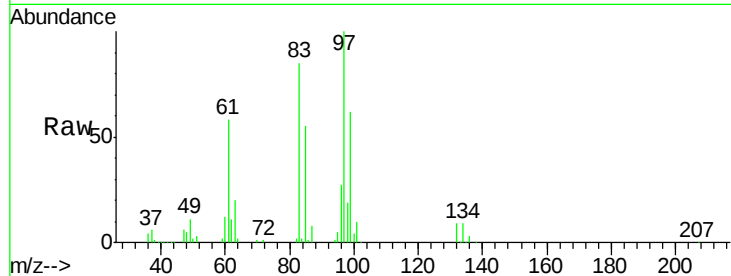
#55
 1,1,2-Trichloroethane
 Concen: 57.381 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0563MS

Tot Ion	Ratio	Resp	Lower	Upper
97	100	114730		
83	84.7	67.7	101.5	
85	55.0	43.4	65.0	
99	61.6	48.8	73.2	

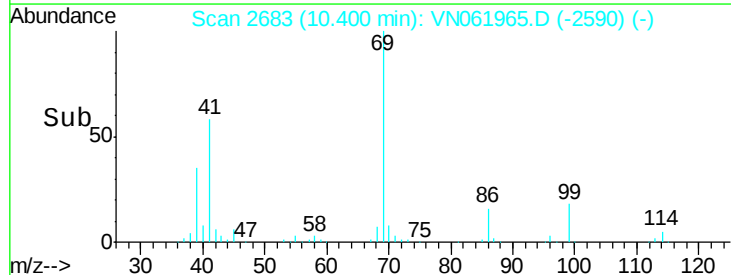
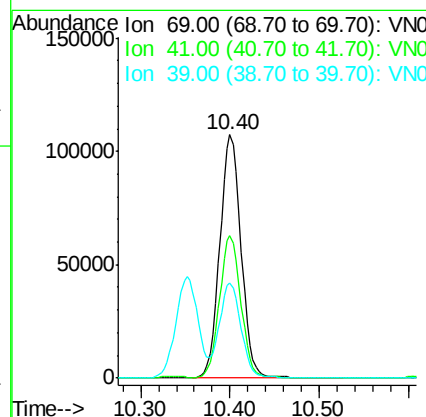
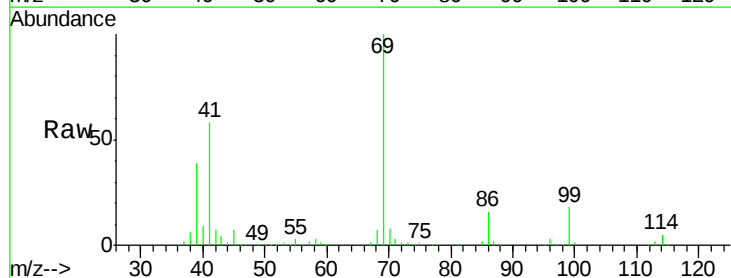
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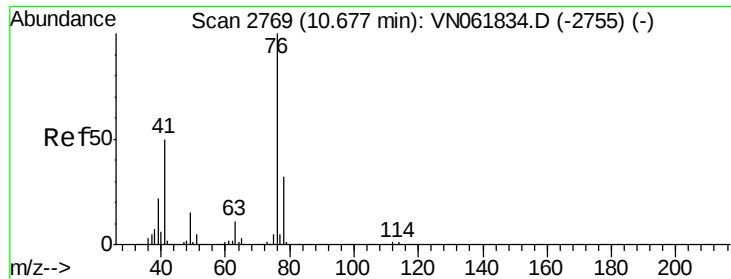
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#56
 Ethyl methacrylate
 Concen: 57.535 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	177138		
41	58.1	44.9	67.3	
39	38.9	30.0	45.0	





#57

1,3-Dichloropropane

Concen: 57.091 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

ClientSampled :

S49-0563MS

Tot Ion: 76 Resp: 193388

Ion Ratio Lower Upper

76 100

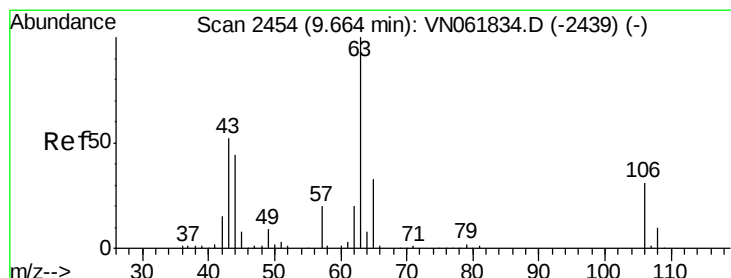
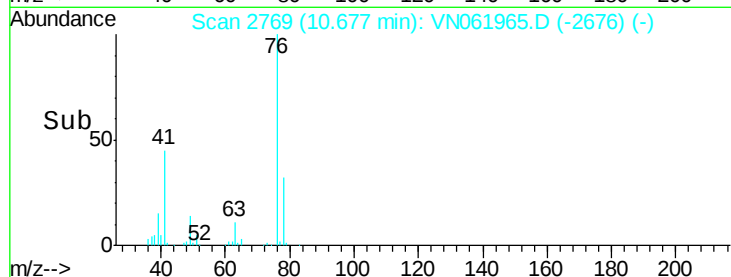
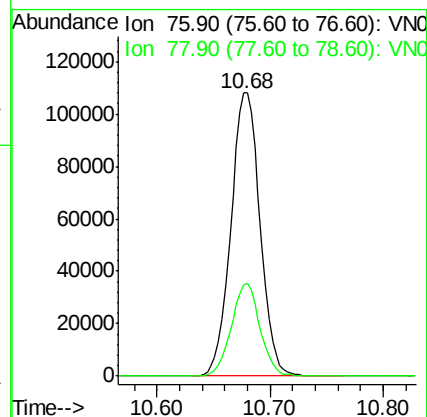
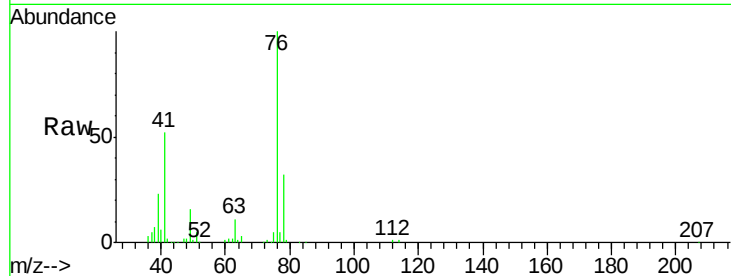
78 32.2 25.8 38.8

Manual Integrations

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6/22/2020 1:27:23 PM



#58

2-Chloroethyl Vinyl ether

Concen: 245.860 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061965.D

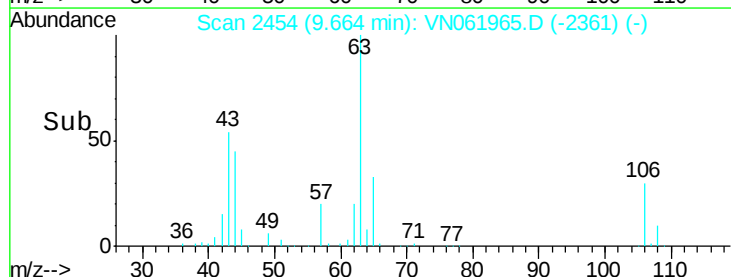
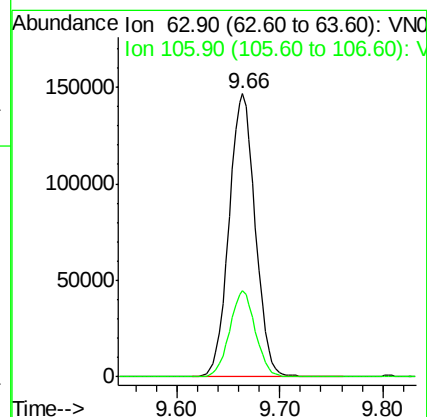
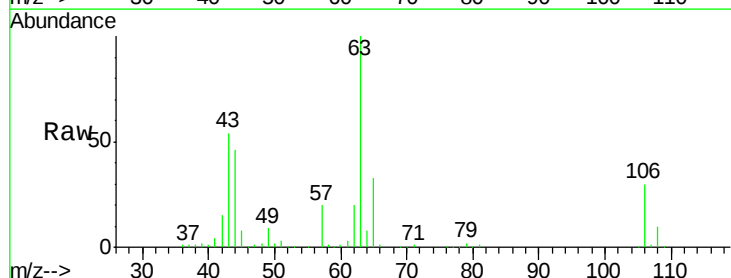
Acq: 19 Jun 2020 20:24

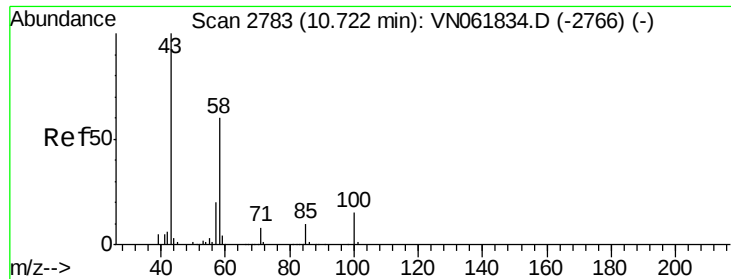
Tgt Ion: 63 Resp: 259442

Ion Ratio Lower Upper

63 100

106 29.8 24.6 36.8





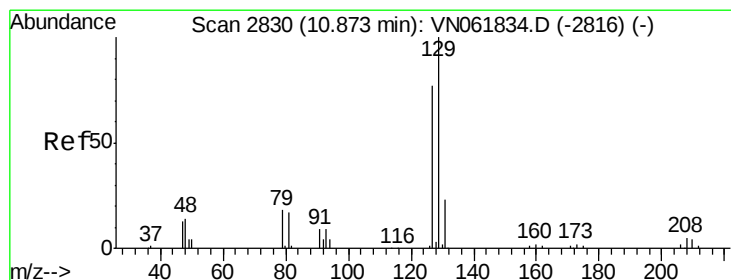
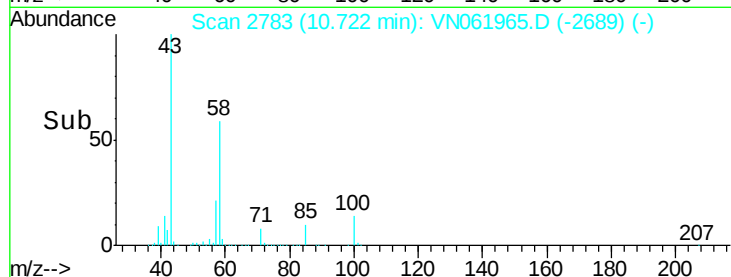
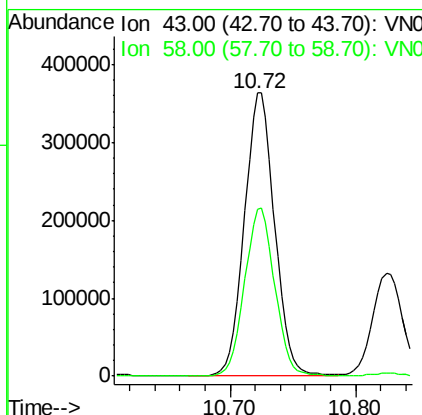
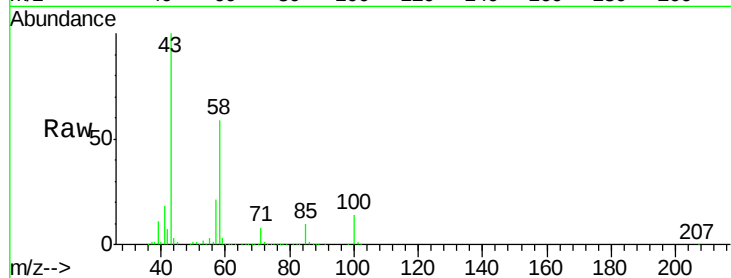
#59
2-Hexanone
Concen: 361.262 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion	43	Resp	610018
Ion Ratio	100	Lower	Upper
43	100		
58	59.3	30.1	90.5

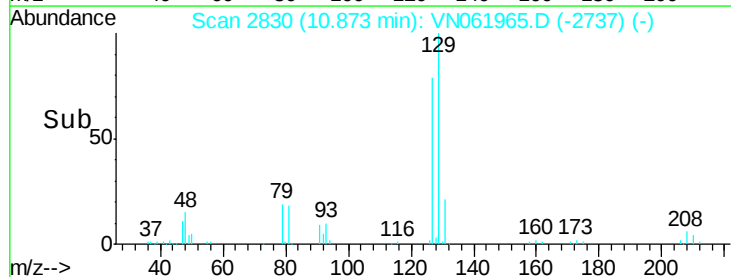
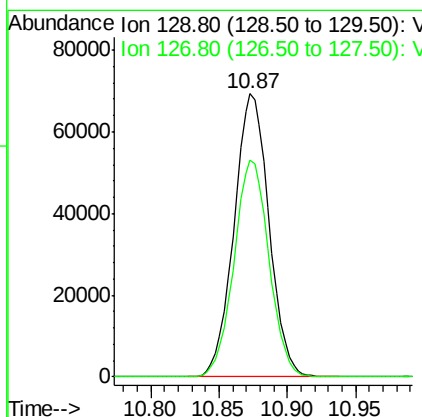
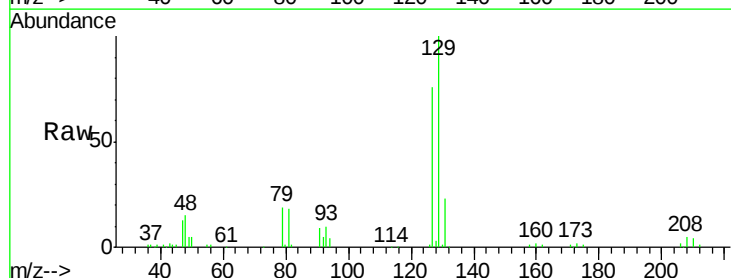
Manual Integrations
APPROVED

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6/22/2020 1:27:23 PM



#60
Dibromochloromethane
Concen: 55.215 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	129	Resp	123190
Ion Ratio	100	Lower	Upper
129	100		
127	76.5	38.5	115.5





#61

1,2-Dibromoethane

Concen: 57.670 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

S49-0563MS

Tot Ion:107 Resp: 120405

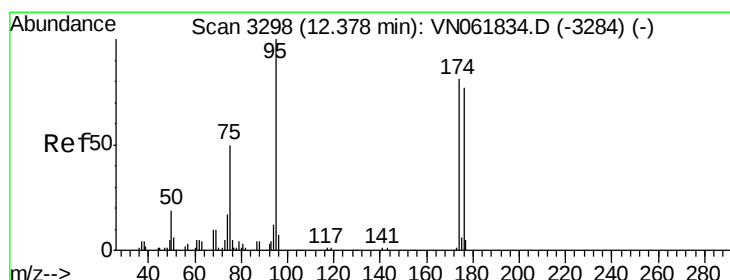
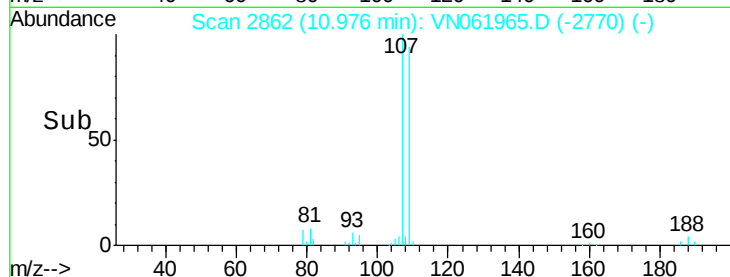
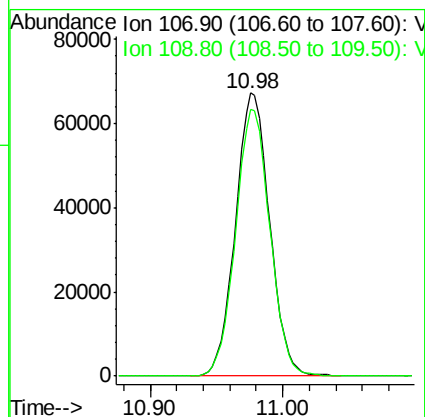
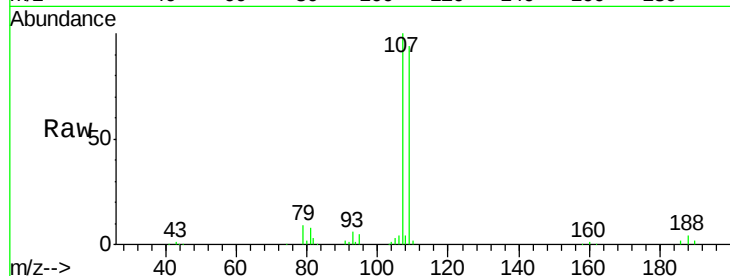
Ion Ratio Lower Upper

107 100

109 94.6 75.0 112.6

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 52.138 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

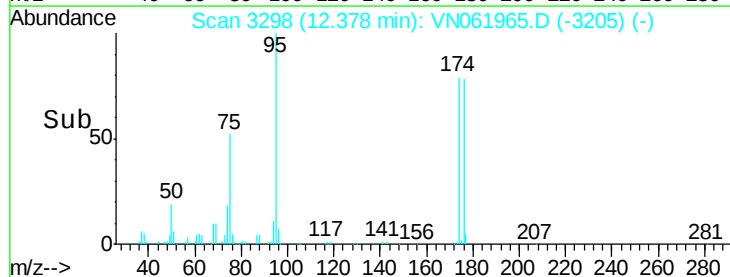
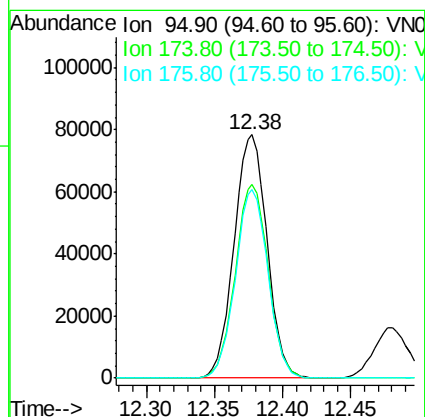
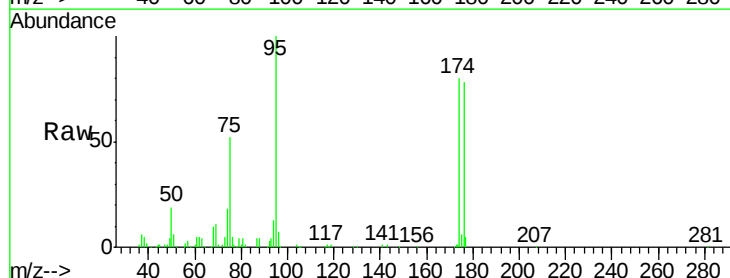
Tgt Ion: 95 Resp: 131730

Ion Ratio Lower Upper

95 100

174 79.3 0.0 158.6

176 76.3 0.0 152.0





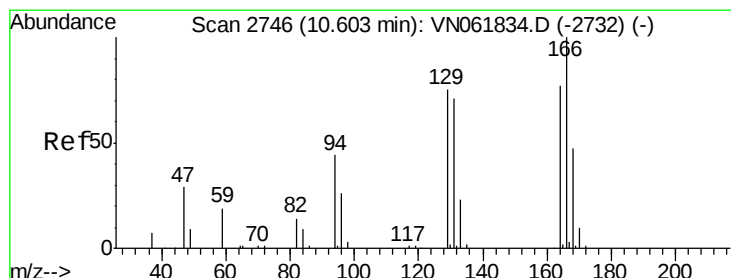
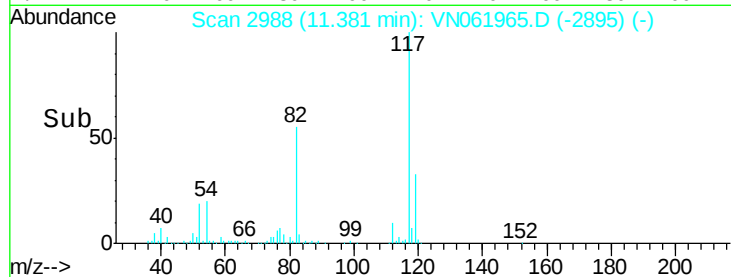
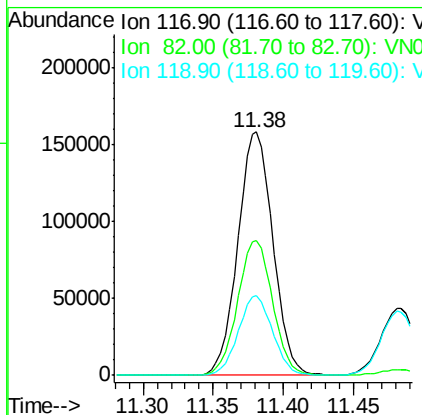
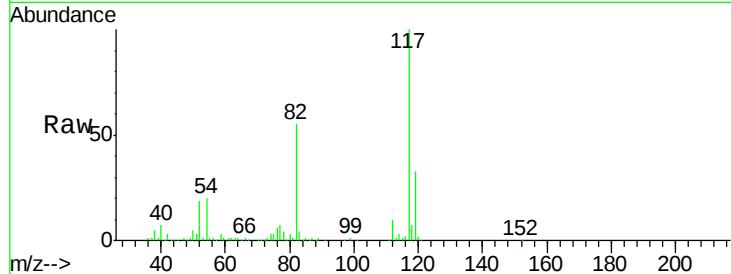
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	275661		
82	55.4	42.6	64.0	
119	32.6	24.7	37.1	

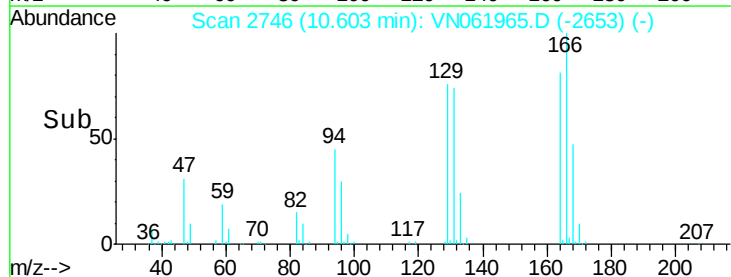
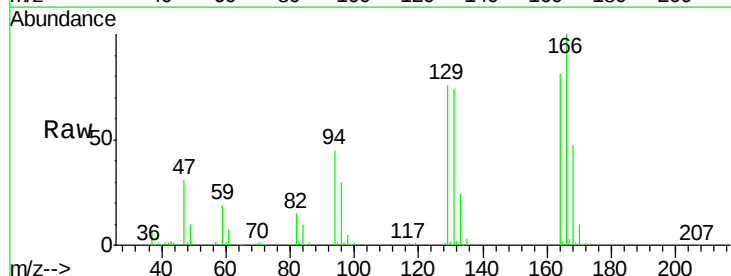
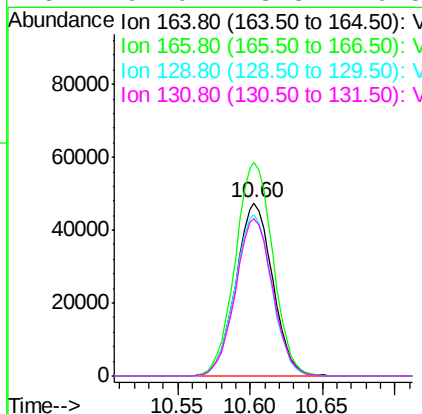
Manual Integrations
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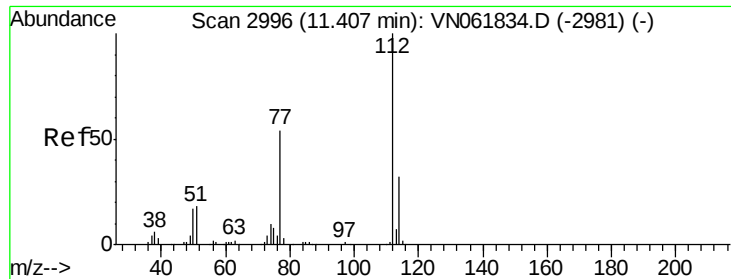
MMDadoda
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#64
Tetrachloroethene
Concen: 47.527 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83503		
166	123.4	103.5	155.3	
129	93.3	77.5	116.3	
131	91.0	73.8	110.8	





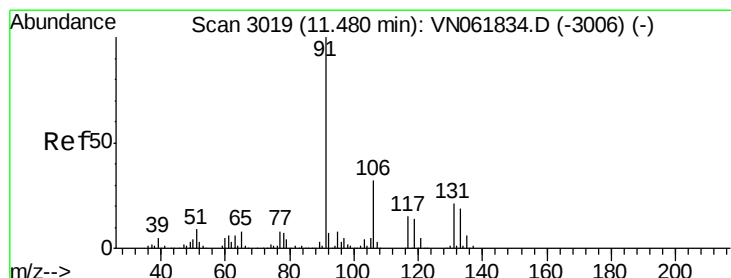
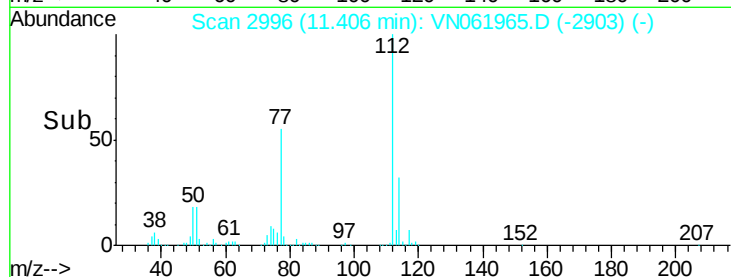
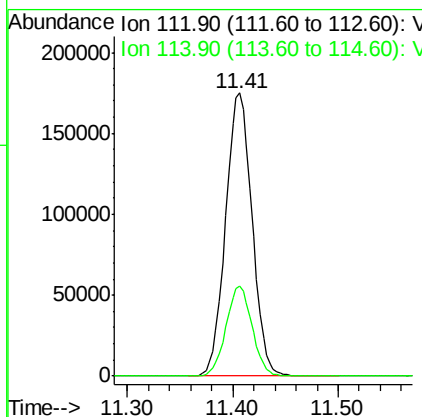
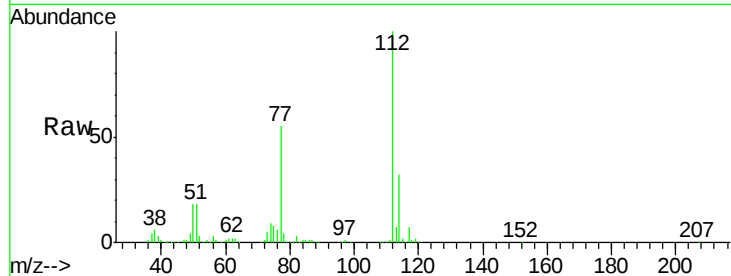
#65
Chlorobenzene
Concen: 52.118 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.6

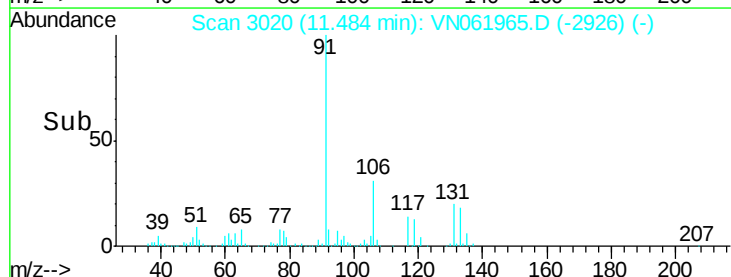
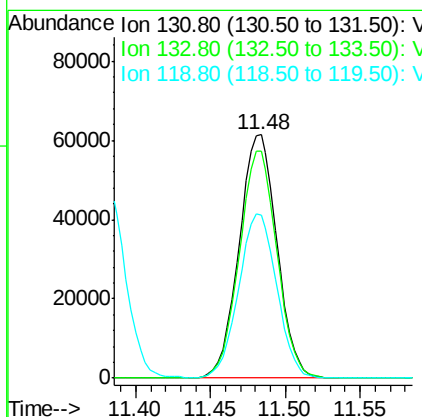
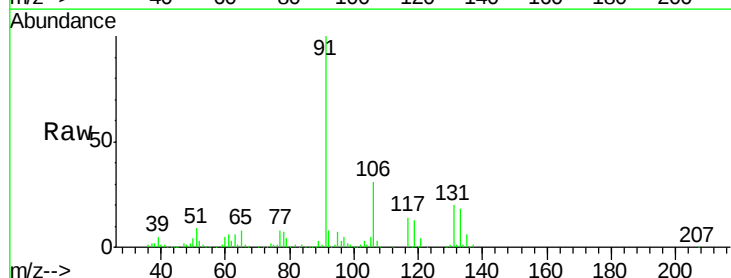
Manual Integrations
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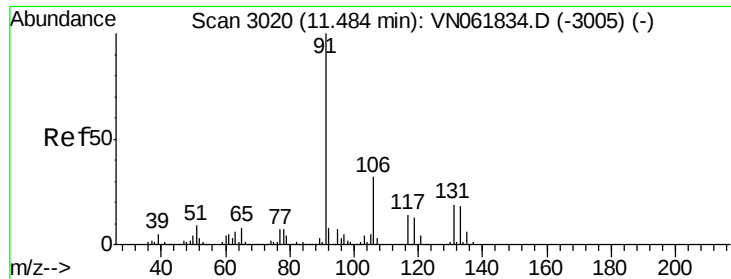
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.350 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.7	47.5	142.5
119	67.9	34.0	101.8





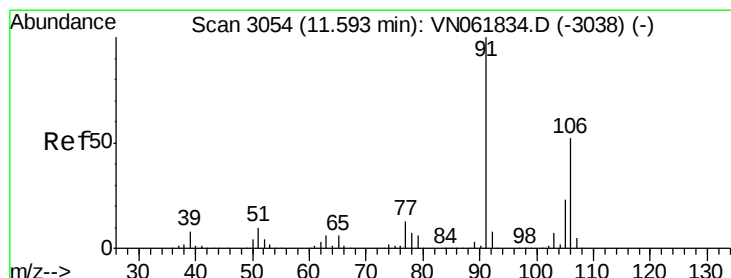
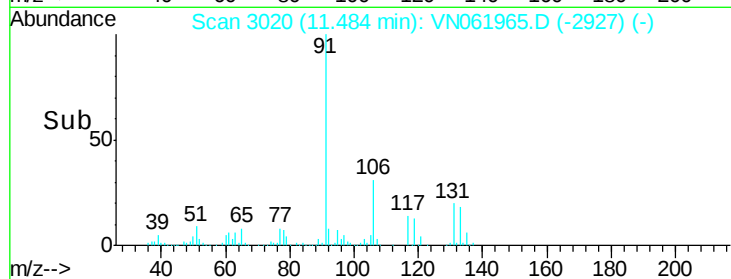
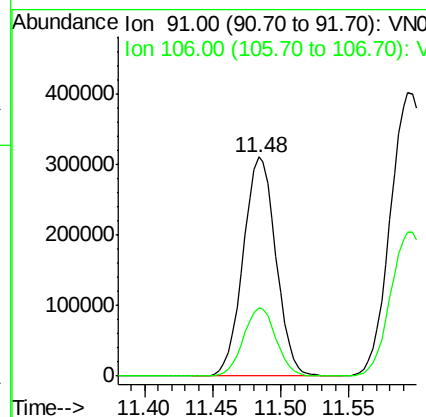
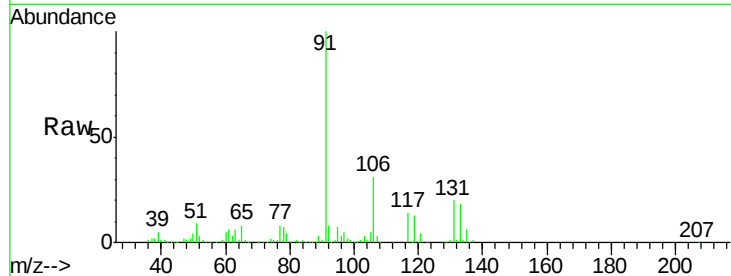
#67
Ethyl Benzene
Concen: 53.132 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion: 91 Resp: 518164
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2

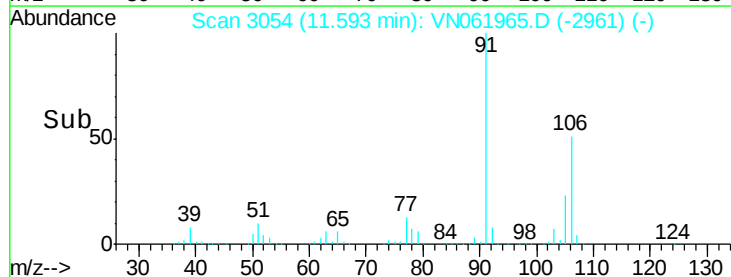
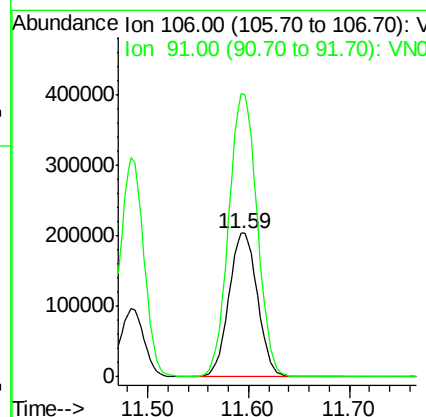
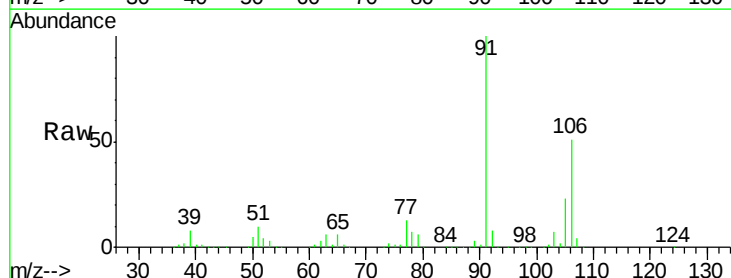
Manual Integrations
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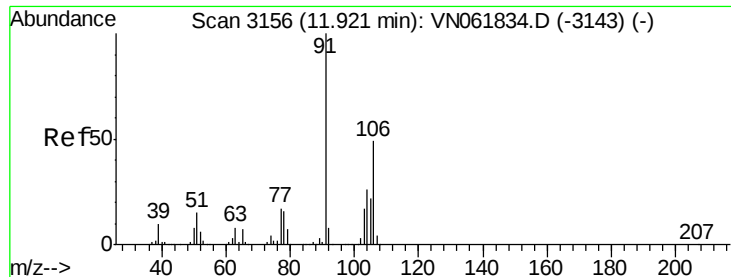
MMDadoda
6/22/2020 1:27:23 PM



#68
m/p-Xylenes
Concen: 107.135 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion: 106 Resp: 402888
Ion Ratio Lower Upper
106 100
91 196.3 157.0 235.6





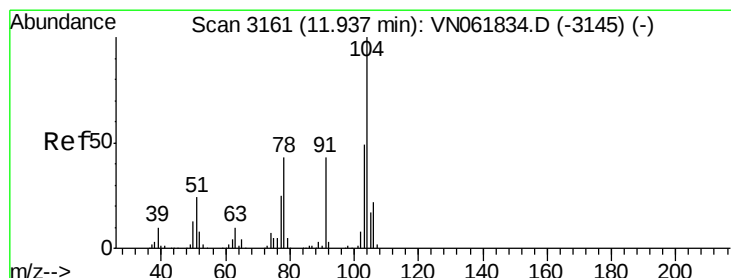
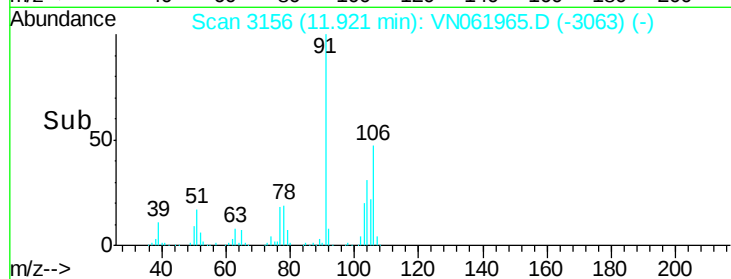
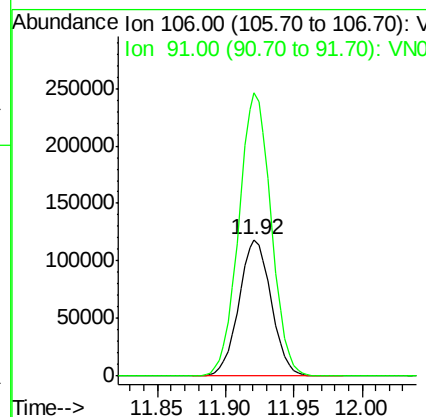
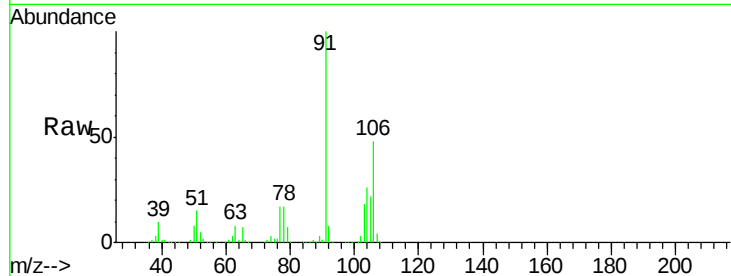
#69
o-Xylene
Concen: 54.317 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampled :
S49-0563MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	194895		
91	207.7	103.0	308.9		

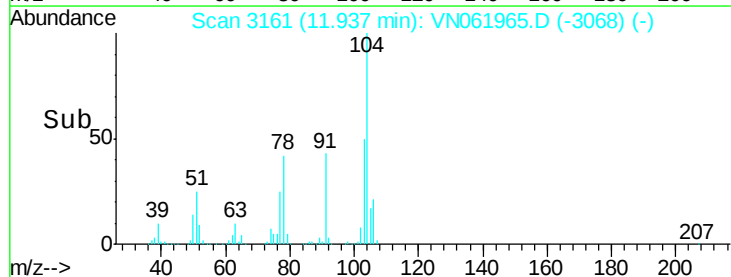
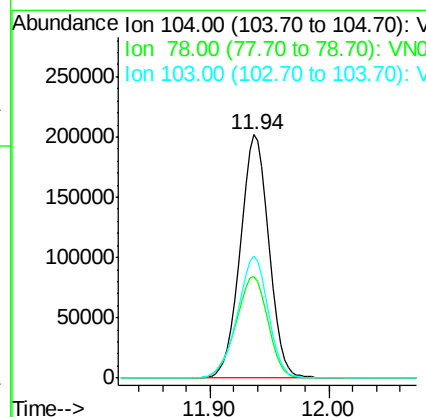
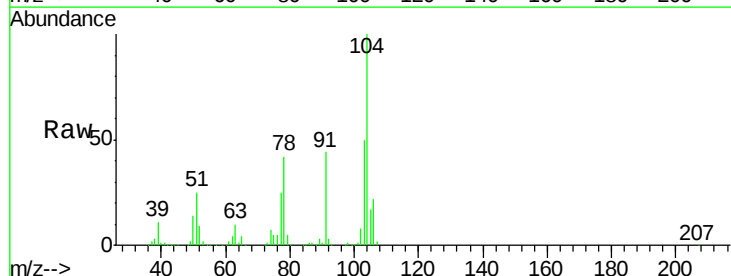
Manual Integrations
APPROVED

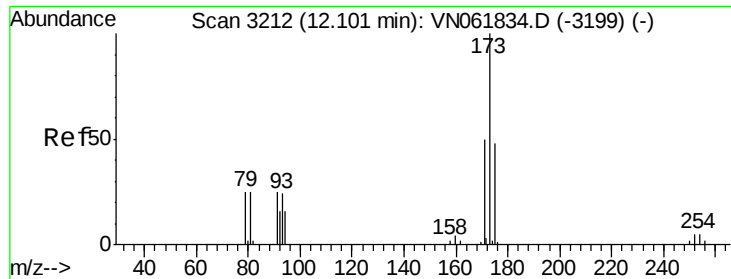
MMDadoda
6/22/2020 1:27:23 PM



#70
Styrene
Concen: 56.175 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	337496		
78	46.6	37.6	56.4		
103	53.8	43.0	64.4		





#71

Bromoform

Concen: 58.014 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

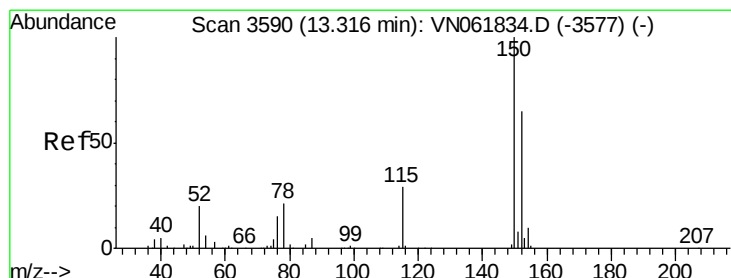
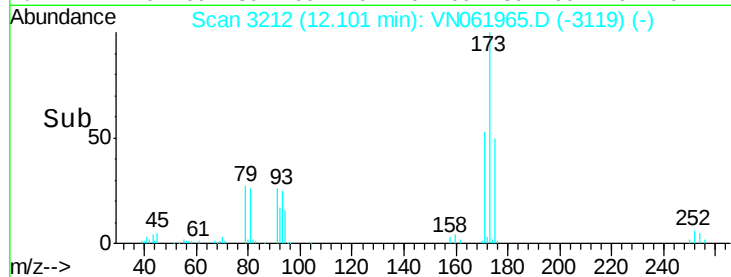
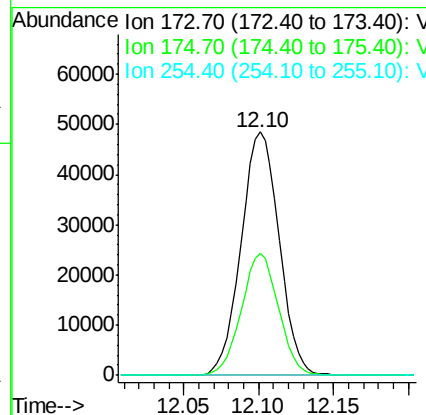
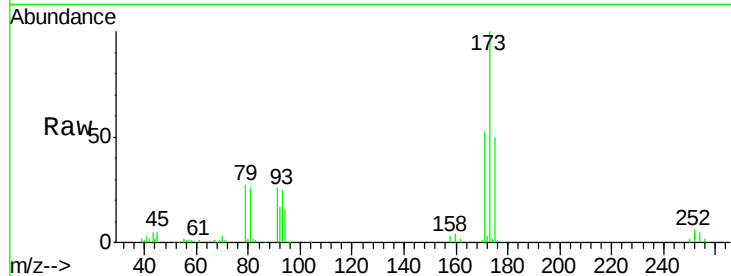
ClientSampled :

S49-0563MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

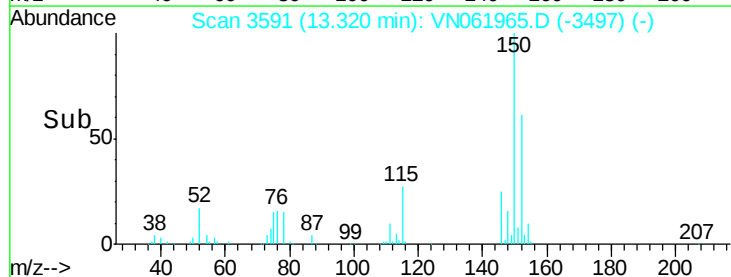
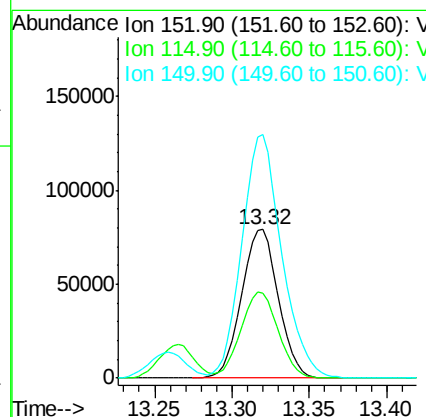
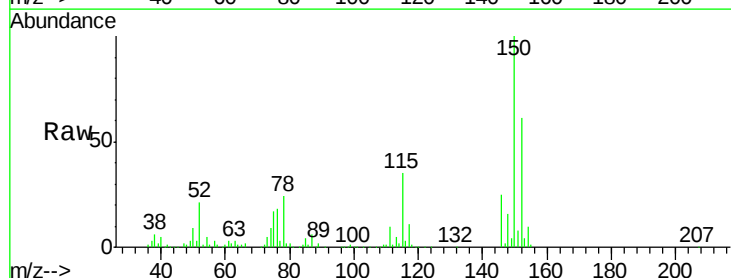
RT: 13.32 min Scan# 3591

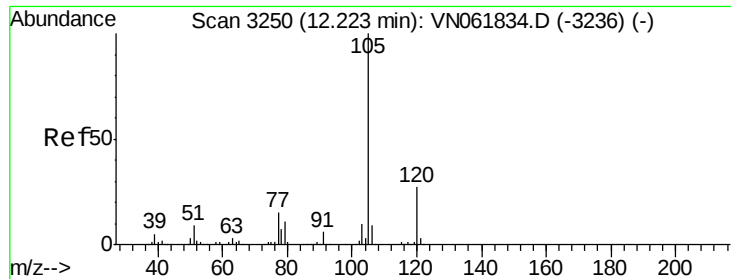
Delta R.T. 0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.1	87.3
150	177.3	0.0	347.6





#73

Isopropylbenzene

Concen: 51.992 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

ClientSampleId :

S49-0563MS

Tot Ion: 105 Resp: 483381

Ion Ratio Lower Upper

105 100

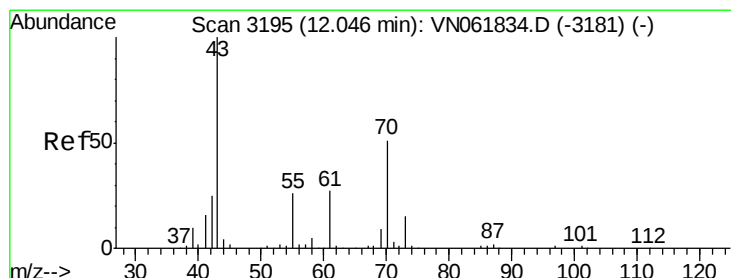
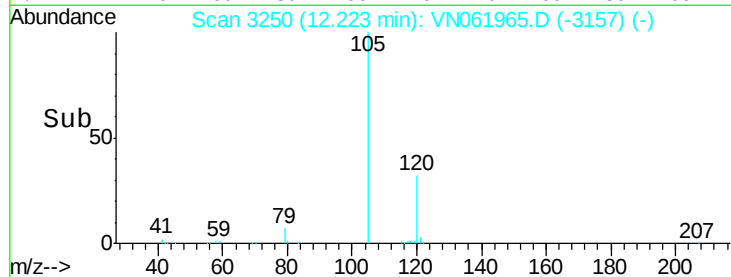
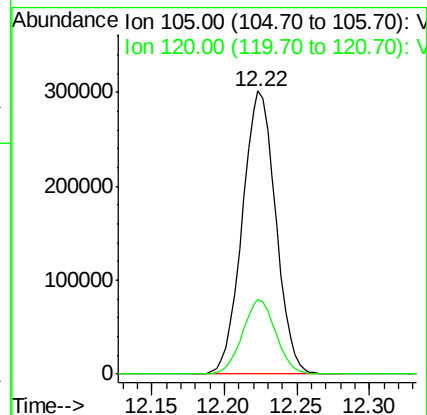
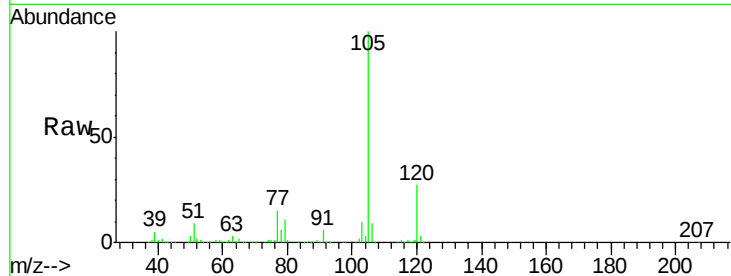
120 26.2 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 66.020 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Tgt Ion: 43 Resp: 225806

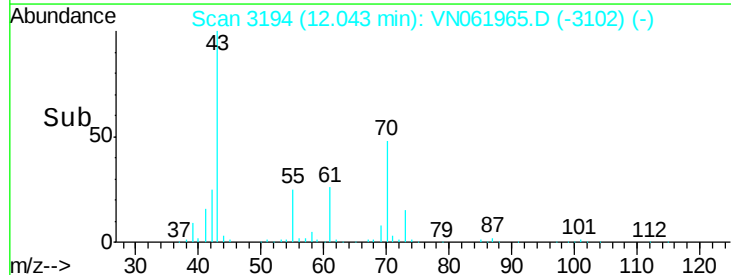
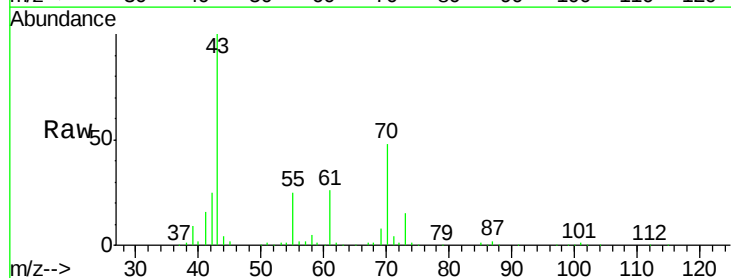
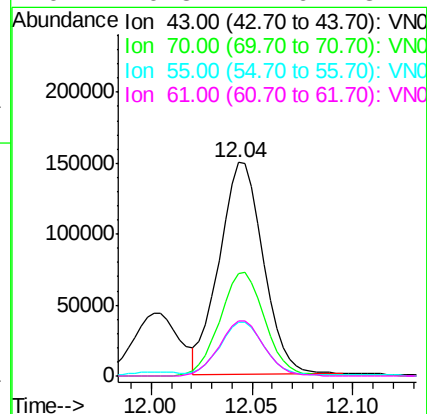
Ion Ratio Lower Upper

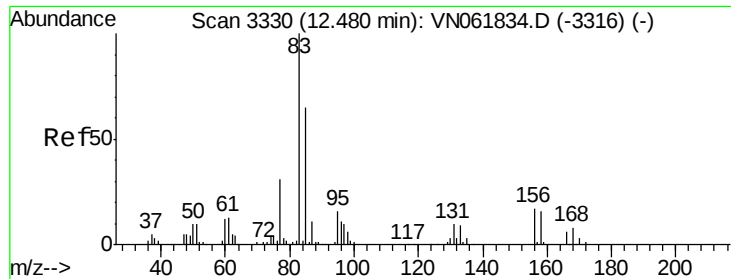
43 100

70 49.8 40.6 60.8

55 24.9 21.5 32.3

61 26.8 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 60.476 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

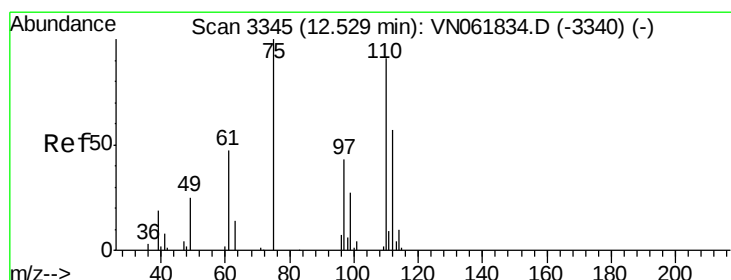
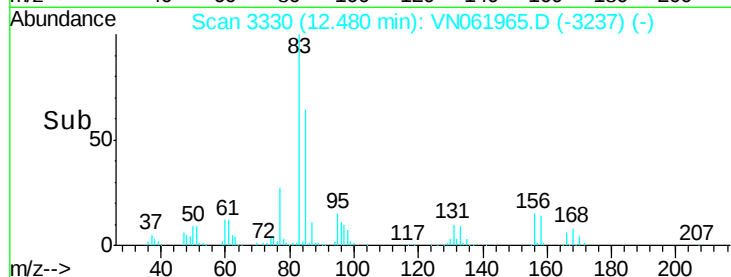
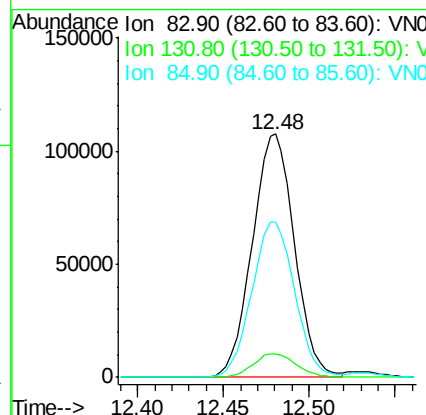
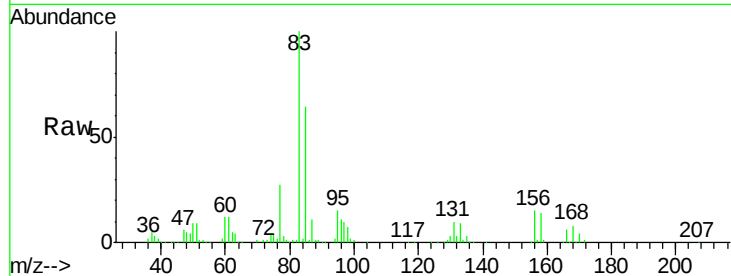
ClientSampleId :

S49-0563MS

Tot Ion:	83	Resp:	182805
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	64.9	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 65.008 ug/l m

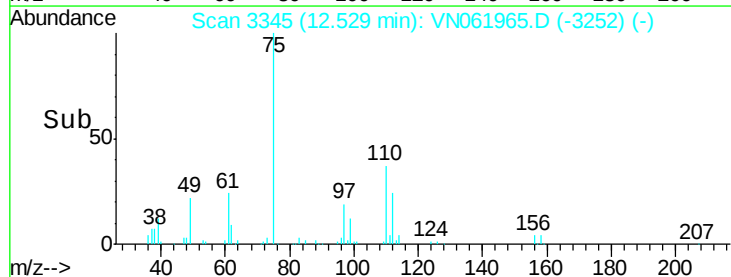
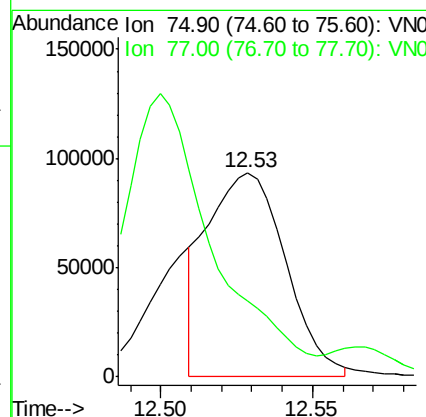
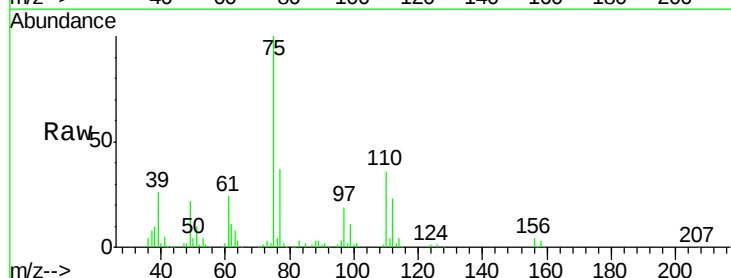
RT: 12.53 min Scan# 3345

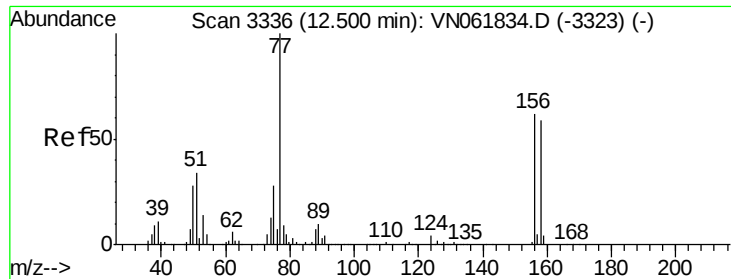
Delta R.T. 0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Tgt Ion:	75	Resp:	166981
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.259 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Instrument :

MSVOA_N

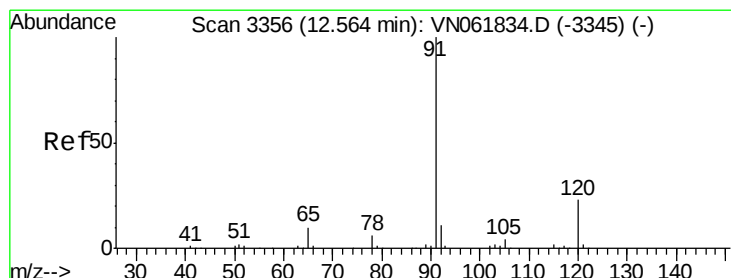
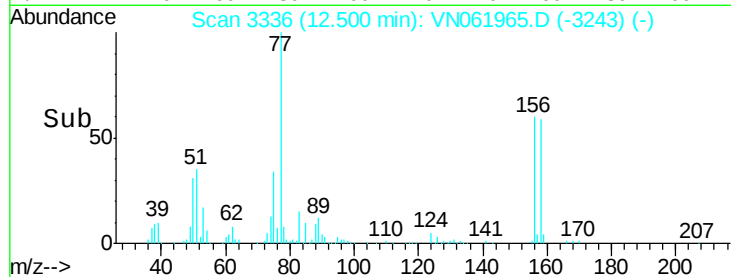
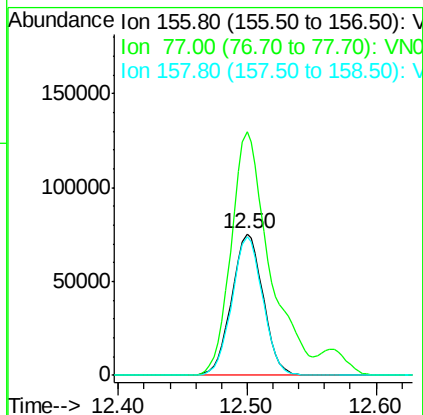
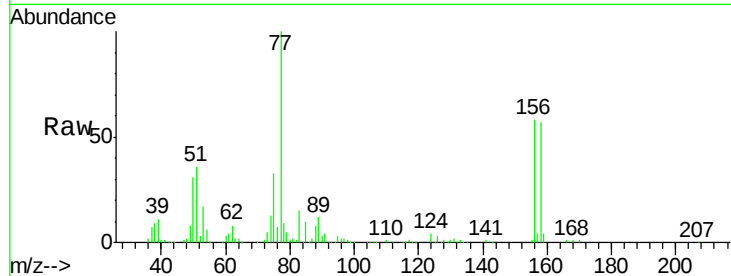
ClientSampleId :

S49-0563MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.9	100.7	302.1
158	96.1	48.5	145.5

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#78

n-propylbenzene

Concen: 52.319 ug/l

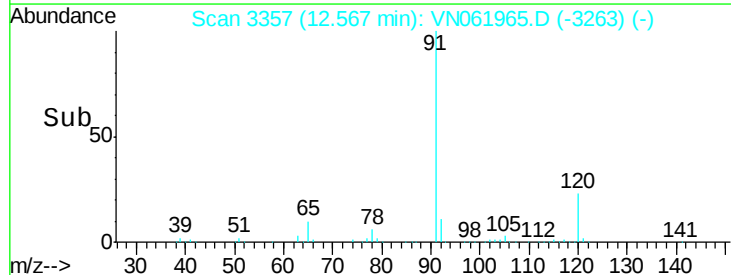
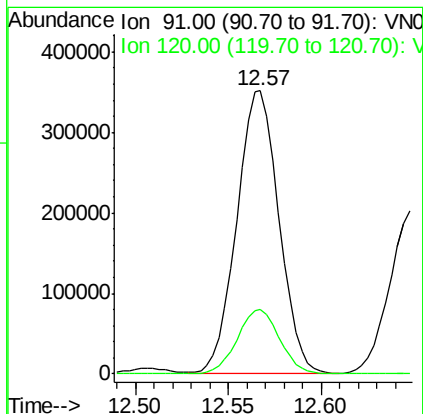
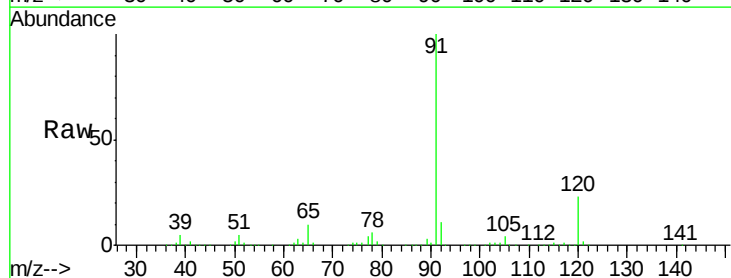
RT: 12.57 min Scan# 3357

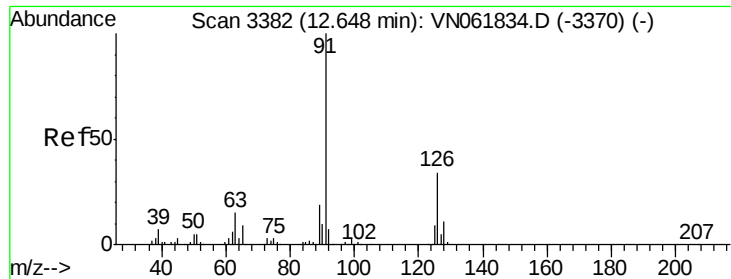
Delta R.T. 0.00 min

Lab File: VN061965.D

Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.6	34.8





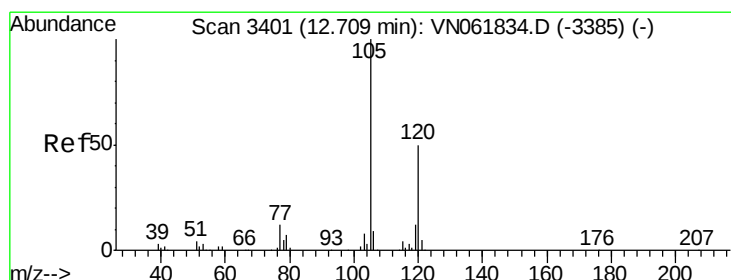
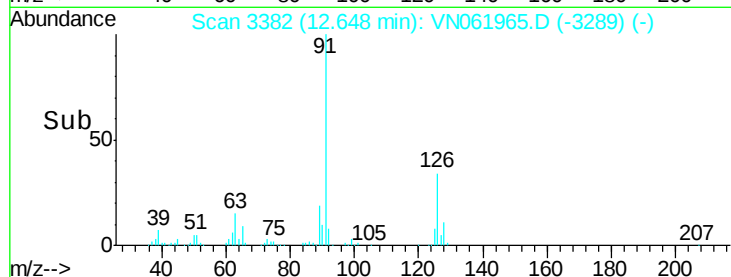
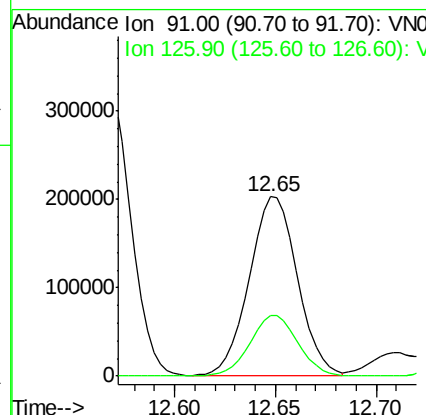
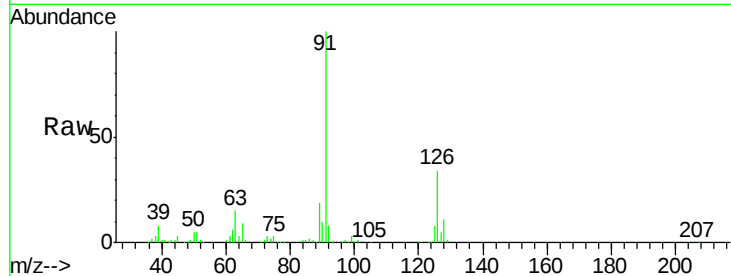
#79
 2-Chlorotoluene
 Concen: 53.457 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0563MS

Tot Ion: 91 Resp: 340603
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.3 51.7

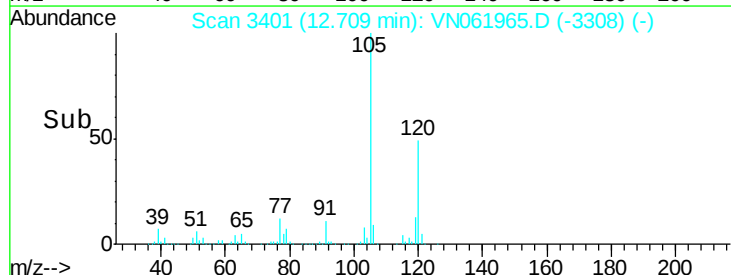
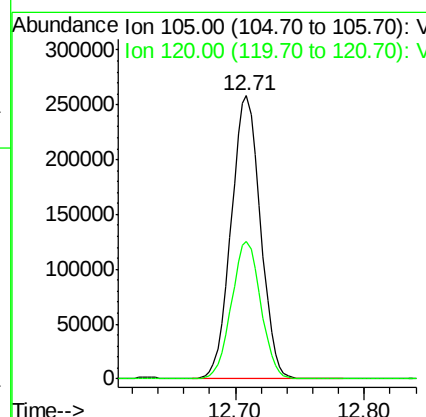
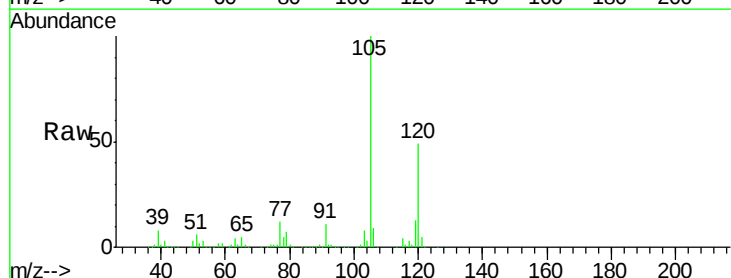
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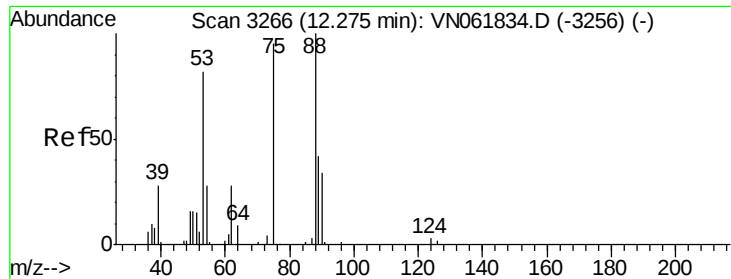
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.688 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Tgt Ion: 105 Resp: 405267
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.9 74.7





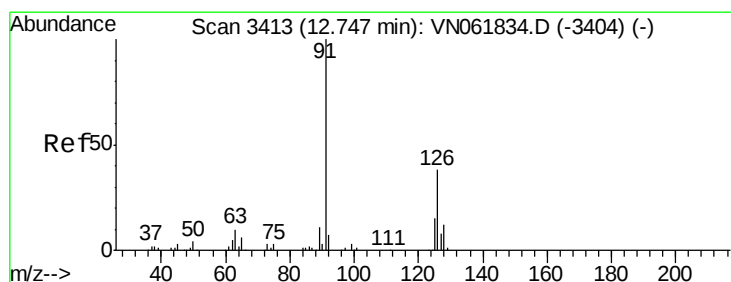
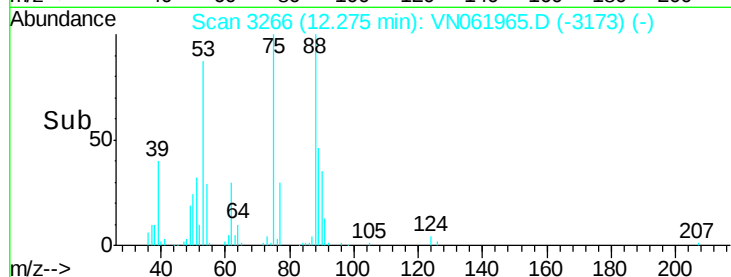
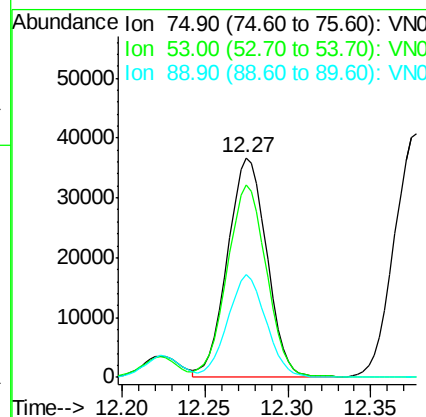
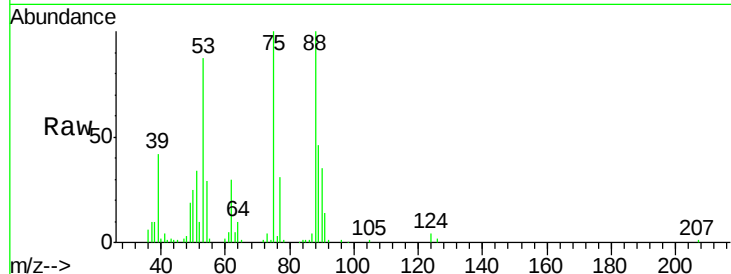
#81
trans-1,4-Dichloro-2-butene
Concen: 64.156 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampled :
S49-0563MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.2	70.4	105.6
89	45.6	36.0	54.0

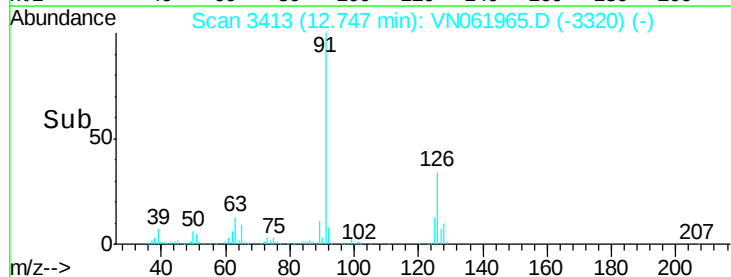
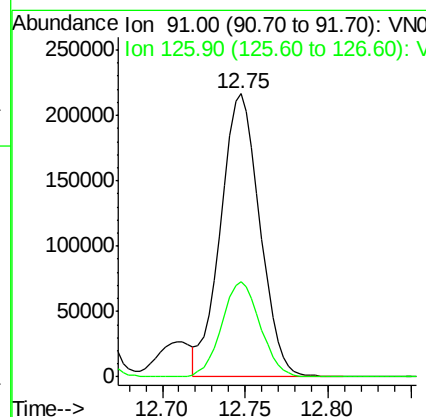
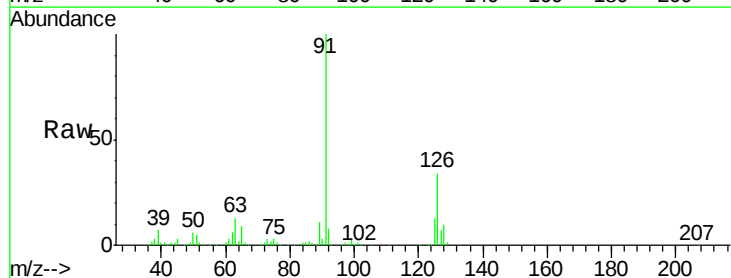
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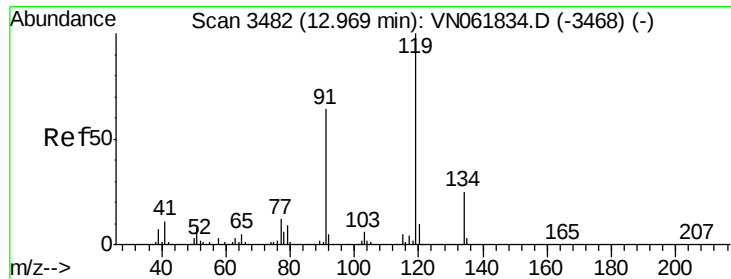
MMDadoda
6/22/2020 1:27:23 PM



#82
4-Chlorotoluene
Concen: 53.820 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.2	51.6





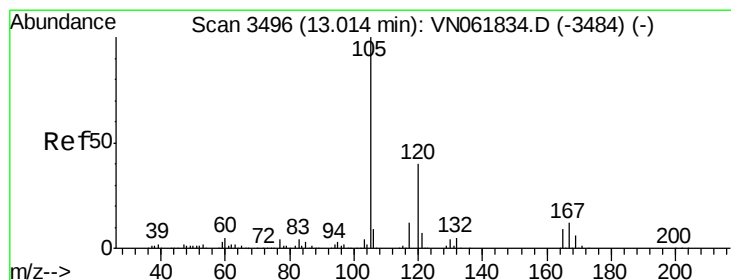
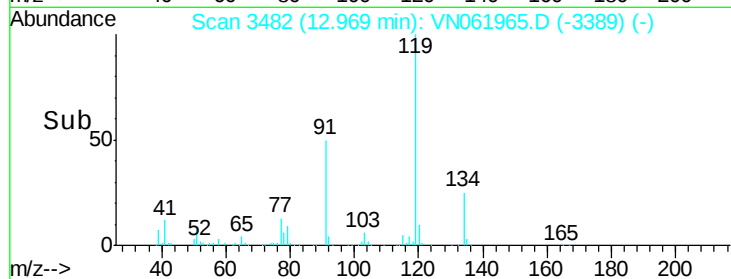
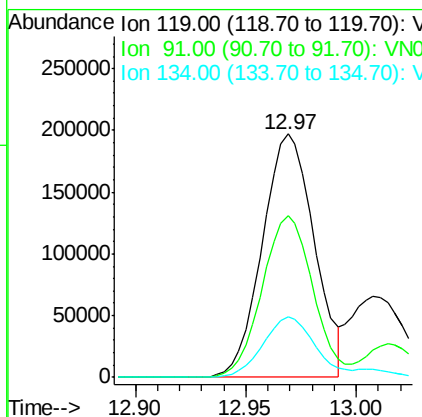
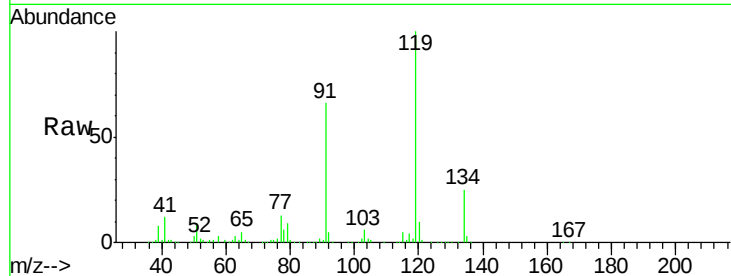
#83
 tert-Butylbenzene
 Concen: 49.315 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleID :
 S49-0563MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	31.5	94.5
134	25.0	13.3	39.9

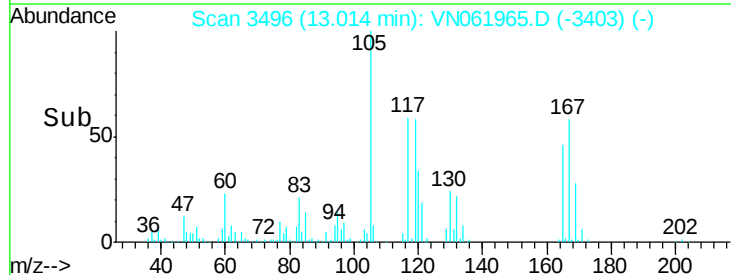
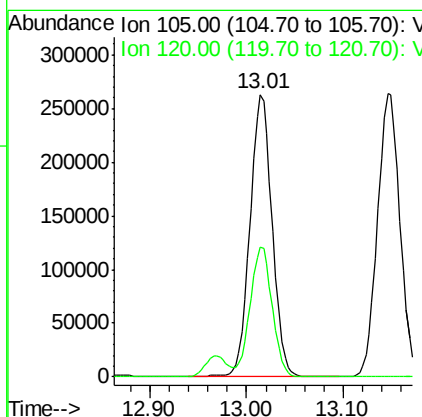
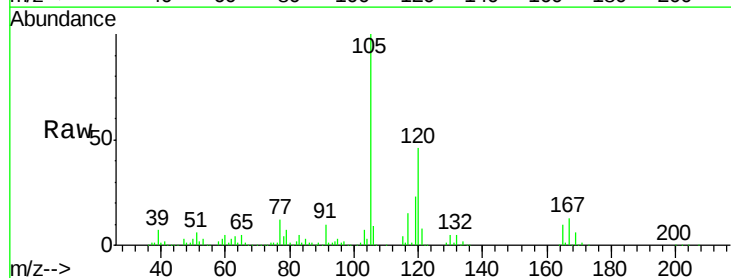
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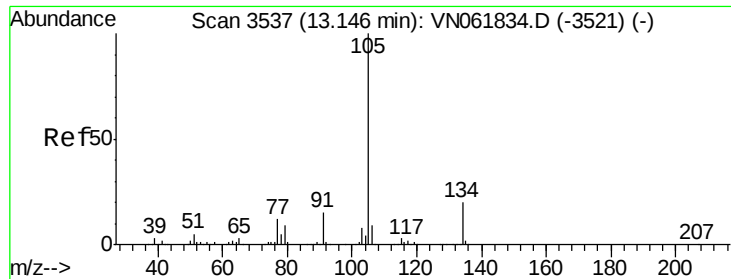
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.059 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.3	69.9





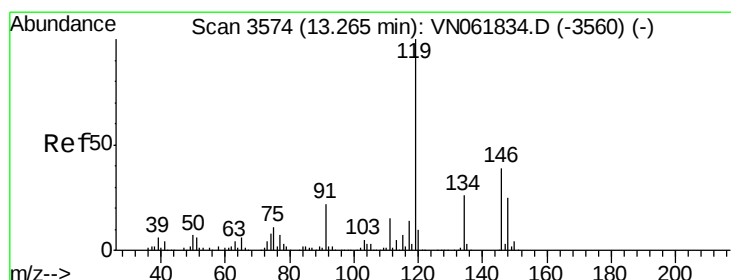
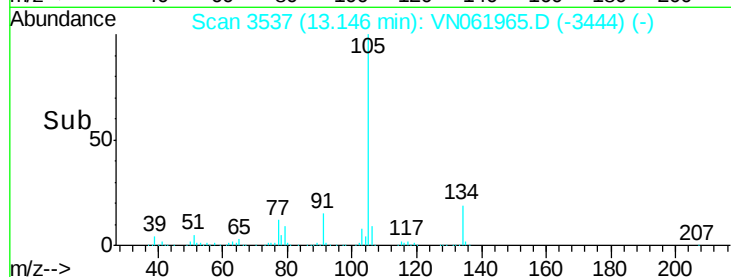
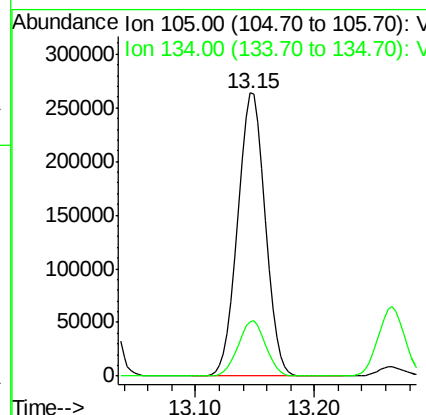
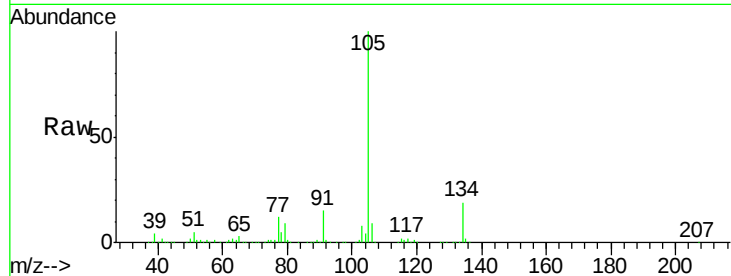
#85
 sec-Butylbenzene
 Concen: 49.587 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.1	30.1

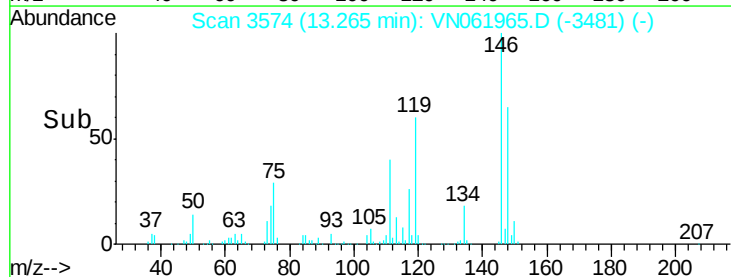
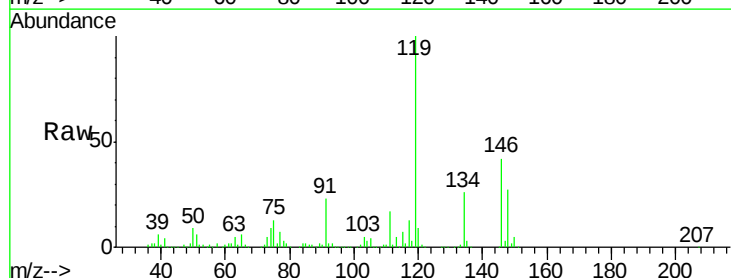
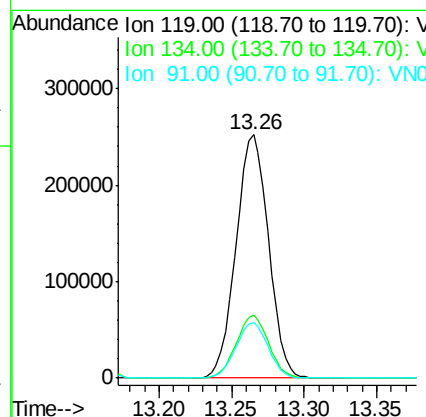
Manual Integrations
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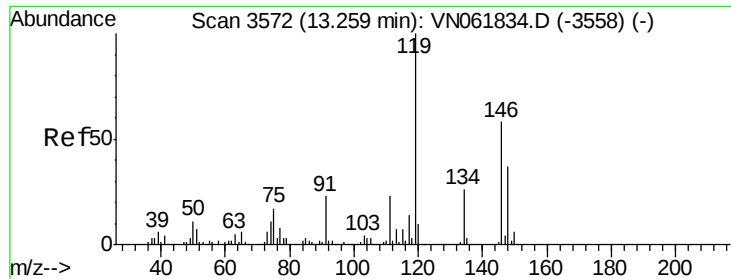
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 6/22/2020 1:27:23 PM



#86
 p-Isopropyltoluene
 Concen: 51.323 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.3	39.9
91	22.5	11.2	33.6





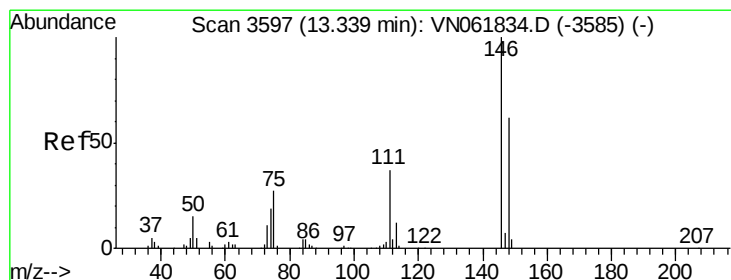
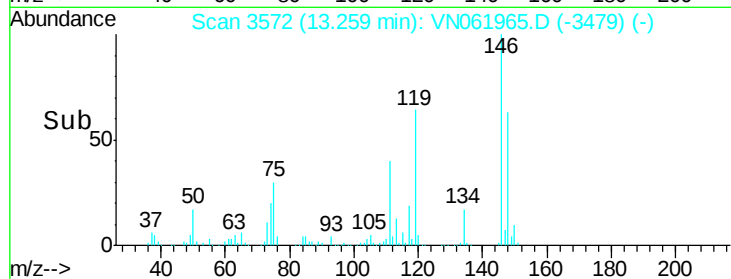
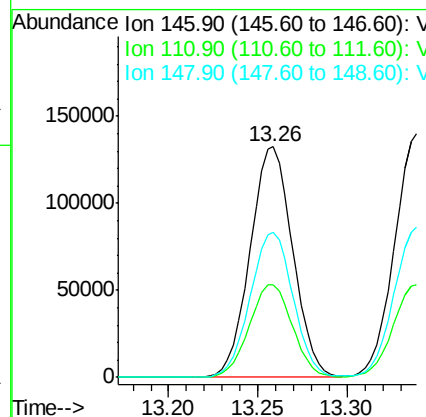
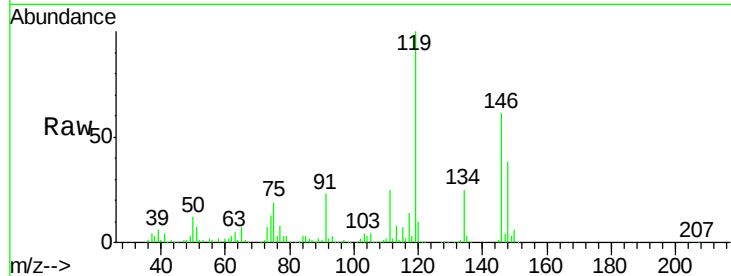
#87
 1,3-Dichlorobenzene
 Concen: 51.696 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.6	58.8
148	63.3	31.8	95.4

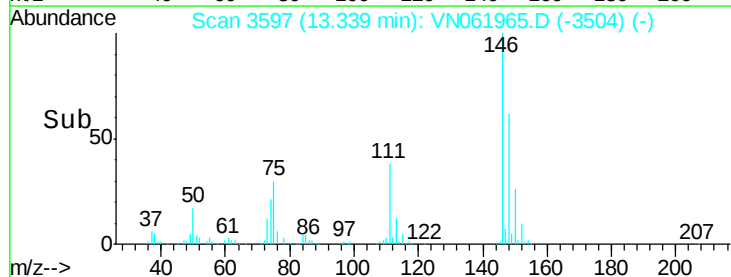
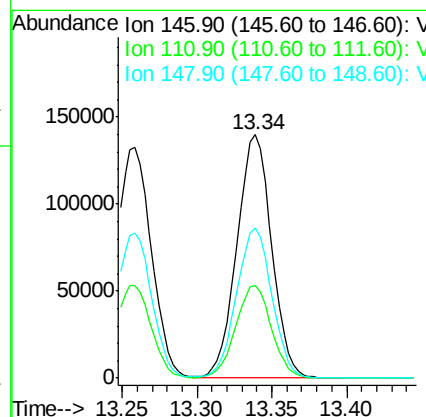
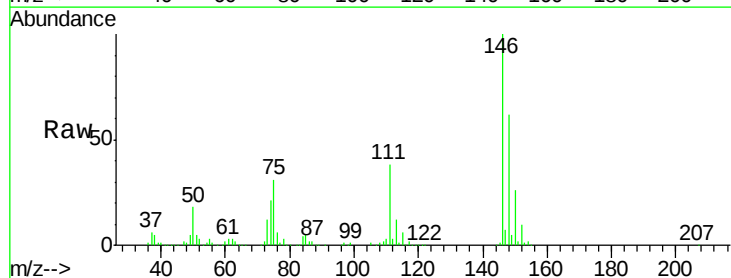
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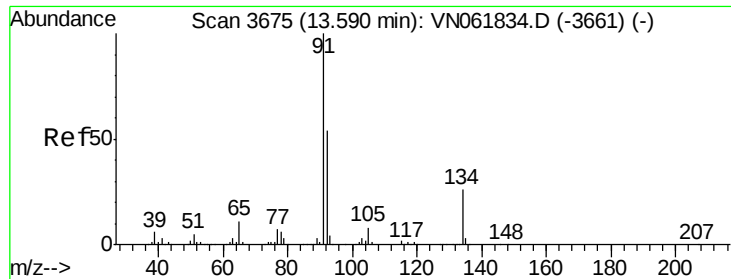
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#88
 1,4-Dichlorobenzene
 Concen: 51.704 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.8
148	63.1	31.6	94.7





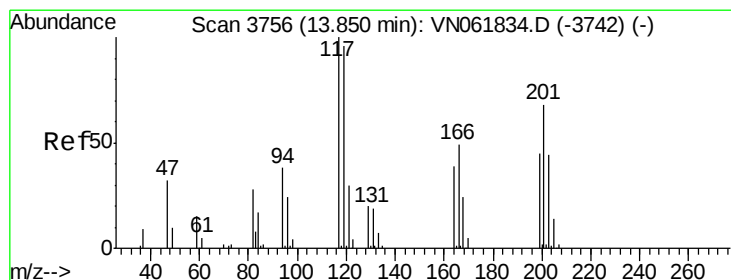
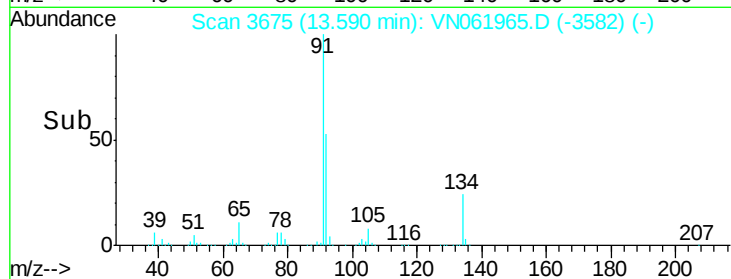
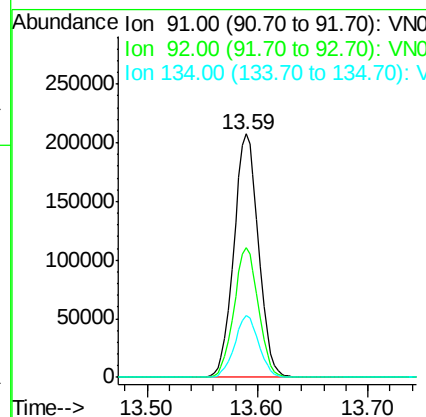
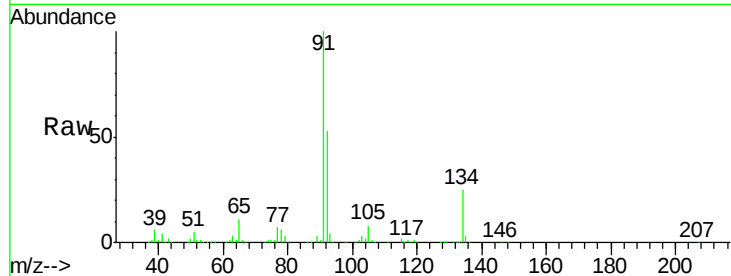
#89
n-Butylbenzene
Concen: 50.545 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	80.8
134	25.1	13.0	39.0

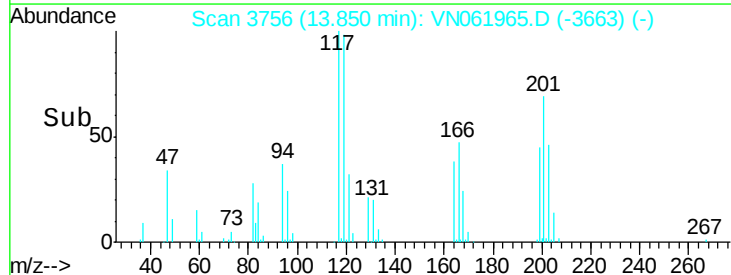
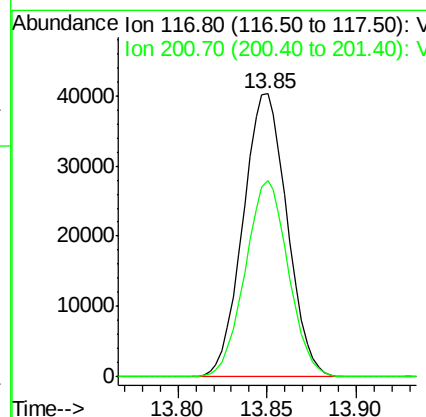
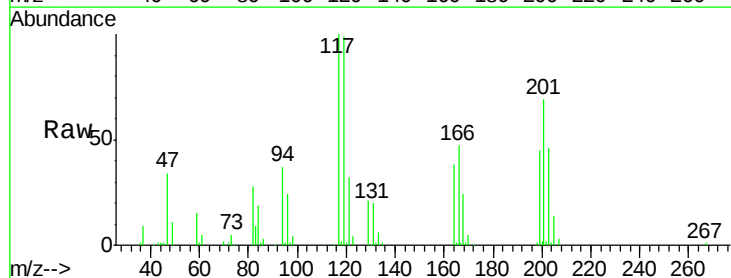
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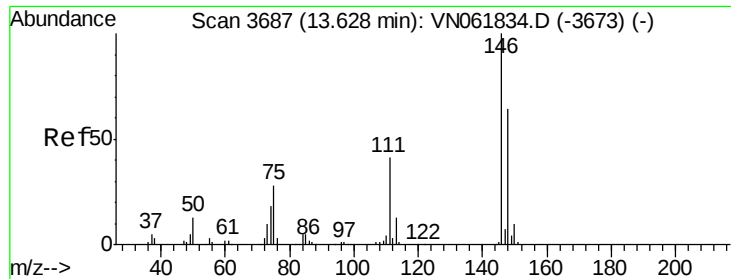
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#90
Hexachloroethane
Concen: 49.965 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.6	103.8





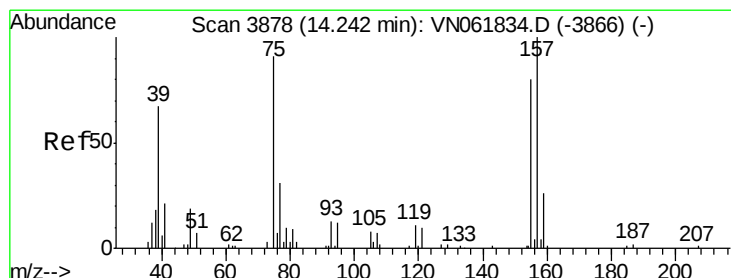
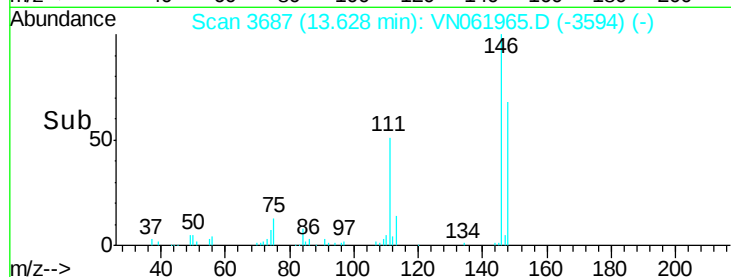
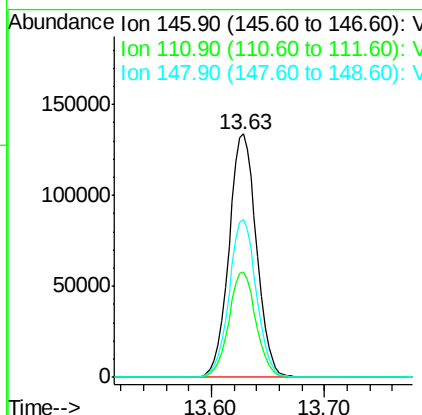
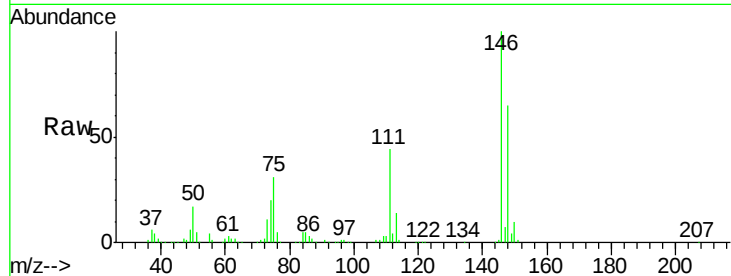
#91
 1,2-Dichlorobenzene
 Concen: 54.937 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.4	61.2
148	64.0	31.8	95.4

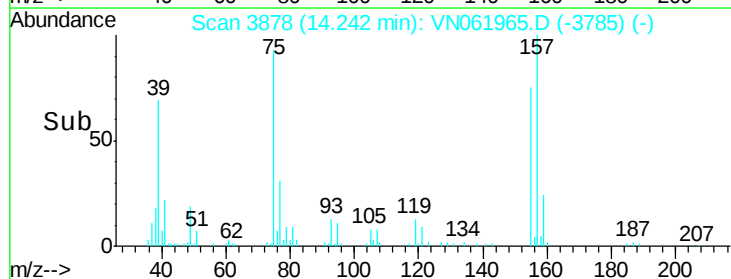
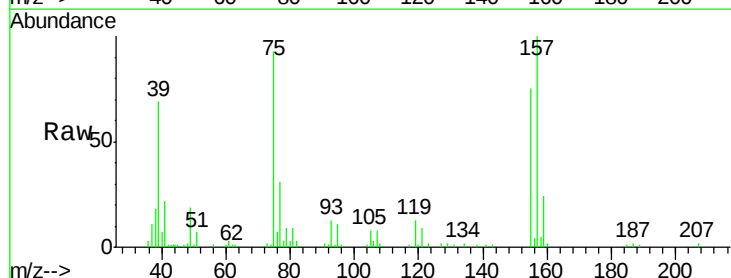
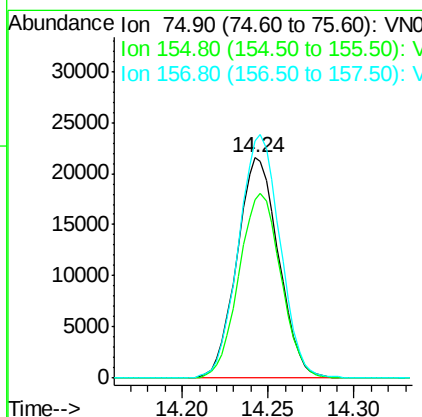
Manual Integrations
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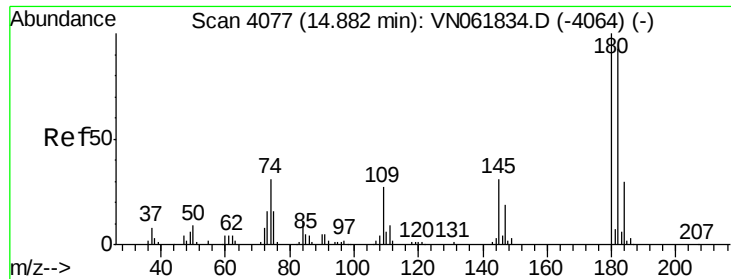
MMDadoda
 6/22/2020 1:27:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 73.648 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.5	44.4	133.2
157	110.1	57.0	171.2





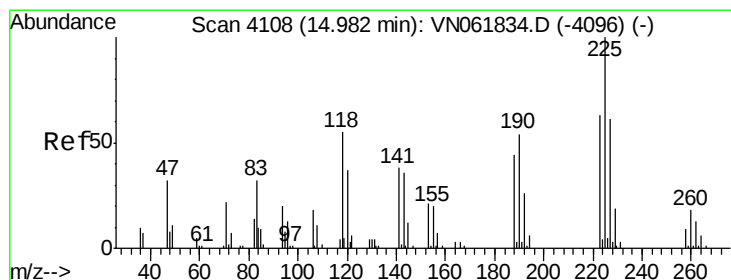
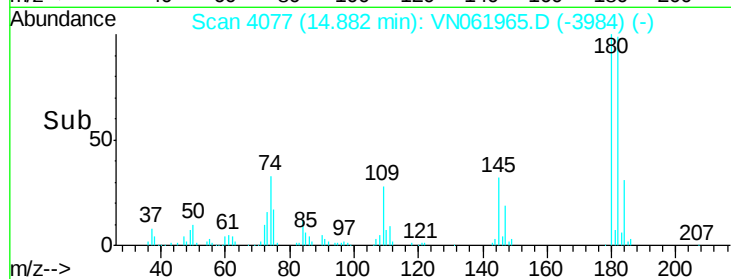
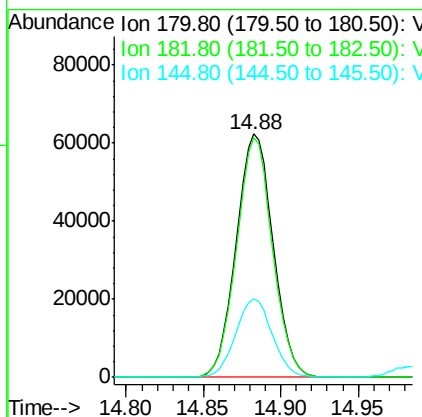
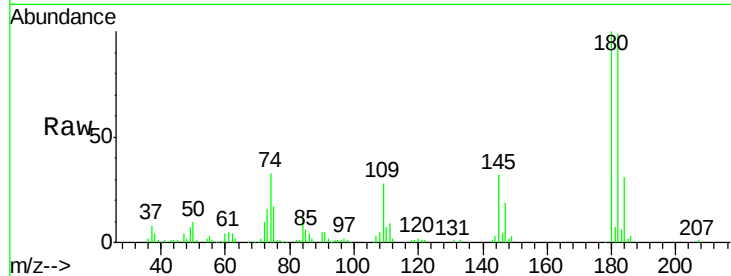
#93
 1,2,4-Trichlorobenzene
 Concen: 53.015 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103029		
182	96.1	47.0	141.2	
145	32.0	15.8	47.3	

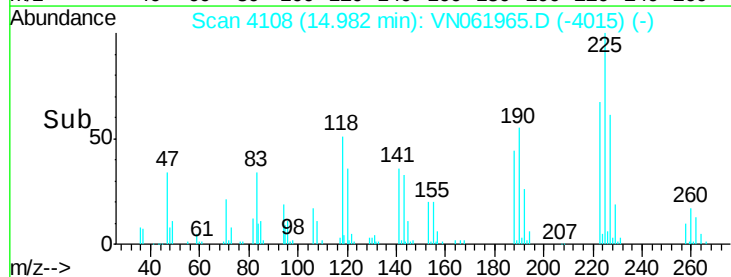
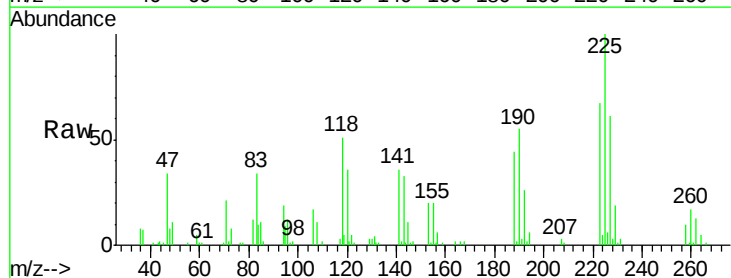
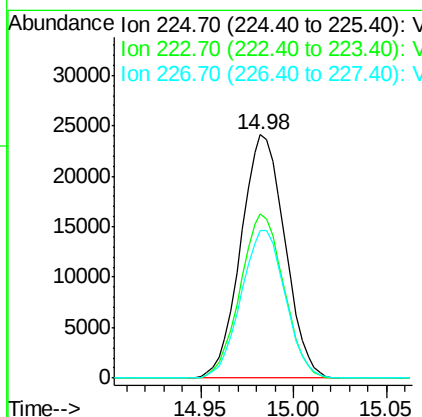
Manual Integrations
 APPROVED

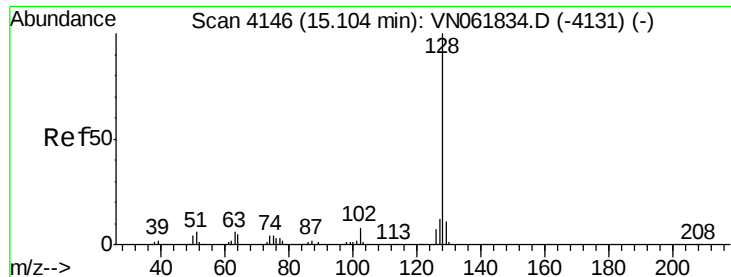
MMDadoda
 6/22/2020 1:27:23 PM



#94
 Hexachlorobutadiene
 Concen: 51.884 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061965.D
 Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39713		
223	66.5	31.7	95.1	
227	60.8	30.1	90.3	





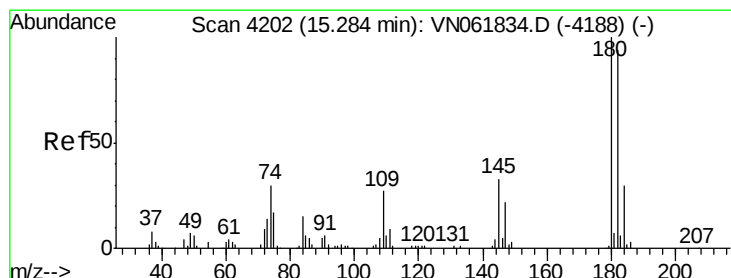
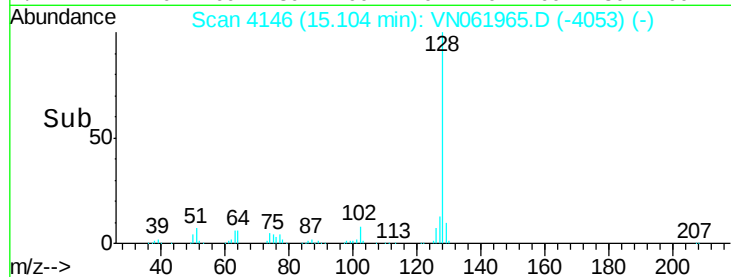
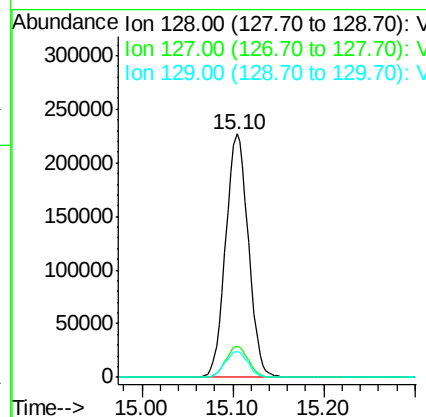
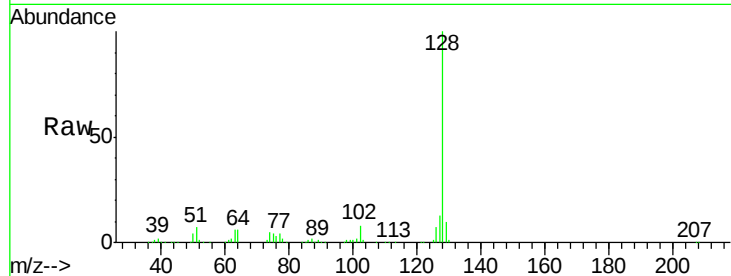
#95
Naphthalene
Concen: 59.724 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Instrument :
MSVOA_N
ClientSampleId :
S49-0563MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	393429		
127	12.7	10.3	15.5	
129	10.6	8.6	13.0	

Manual Integrations
APPROVED

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6/22/2020 1:27:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.450 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061965.D
Acq: 19 Jun 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102875		
182	94.6	47.9	143.6	
145	33.2	16.5	49.5	

