

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062419.D
 Acq On : 8 Jul 2020 20:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:39 AM

Quant Time: Jul 09 03:06:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	200039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	353107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	321352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	158111	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.55	113	111091	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.06	98	445434	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.38	95	161271	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	97781	47.988	ug/l	97
3) Chloromethane	2.04	50	153070	46.819	ug/l	99
4) Vinyl Chloride	2.16	62	130675	48.785	ug/l	98
5) Bromomethane	2.52	94	68382	47.534	ug/l	98
6) Chloroethane	2.67	64	77580	49.728	ug/l	97
7) Trichlorofluoromethane	2.98	101	165560	48.667	ug/l	99
8) Diethyl Ether	3.37	74	75646	49.728	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	98232	48.711	ug/l	99
10) Methyl Iodide	3.91	142	134798	50.623	ug/l	100
11) Tert butyl alcohol	4.73	59	120545	236.179	ug/l	99
12) 1,1-Dichloroethene	3.70	96	99972	48.691	ug/l	95
13) Acrolein	3.57	56	87083	236.517	ug/l	98
14) Allyl chloride	4.27	41	235794	48.830	ug/l	99
15) Acrylonitrile	4.93	53	341307	254.973	ug/l	99
16) Acetone	3.78	43	286122	219.033	ug/l	99
17) Carbon Disulfide	4.01	76	304539	47.335	ug/l	99
18) Methyl Acetate	4.28	43	154872	47.508	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	383642	49.283	ug/l	99
20) Methylene Chloride	4.50	84	126799	45.399	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	109720	49.327	ug/l	99
22) Diisopropyl ether	5.91	45	480822	50.399	ug/l	95
23) Vinyl Acetate	5.84	43	2025518	256.296	ug/l	100
24) 1,1-Dichloroethane	5.80	63	243801	49.454	ug/l	98
25) 2-Butanone	6.79	43	469906	246.312	ug/l	100
26) 2,2-Dichloropropane	6.78	77	173361	45.863	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	128638	49.929	ug/l	99
28) Bromochloromethane	7.15	49	134118	50.075	ug/l	100
29) Tetrahydrofuran	7.17	42	323289	251.702	ug/l	100
30) Chloroform	7.33	83	222639	50.018	ug/l	99
31) Cyclohexane	7.61	56	217979	46.641	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	184247	49.762	ug/l	100
36) 1,1-Dichloropropene	7.75	75	171659	48.253	ug/l	99
37) Ethyl Acetate	6.88	43	195894	47.092	ug/l	100
38) Carbon Tetrachloride	7.73	117	156557	48.950	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	183965	48.437	ug/l	99
40) Benzene	8.00	78	511996	48.832	ug/l	100
41) Methacrylonitrile	7.13	41	88341	50.829	ug/l	99
42) 1,2-Dichloroethane	8.09	62	190364	49.586	ug/l	100
43) Isopropyl Acetate	8.13	43	325345	49.509	ug/l	99
44) Trichloroethene	8.80	130	113002	48.576	ug/l	97
45) 1,2-Dichloropropane	9.08	63	149595	49.149	ug/l	99
46) Dibromomethane	9.18	93	84058	48.939	ug/l	99
47) Bromodichloromethane	9.37	83	180896	49.261	ug/l	99
48) Methyl methacrylate	9.17	41	159669	49.533	ug/l	100
49) 1,4-Dioxane	9.17	88	48270	1028.816	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	990188	252.280	ug/l	100
52) Toluene	10.12	92	301584	49.798	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	204198	49.633	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	221889	48.881	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	119341	50.103	ug/l	97
56) Ethyl methacrylate	10.40	69	207984	47.534	ug/l	99
57) 1,3-Dichloropropane	10.68	76	219701	49.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	354624	250.956	ug/l	99
59) 2-Hexanone	10.72	43	718456	252.142	ug/l	99
60) Dibromochloromethane	10.87	129	126870	49.124	ug/l	99
61) 1,2-Dibromoethane	10.98	107	119874	49.855	ug/l	99
64) Tetrachloroethene	10.60	164	91445	47.955	ug/l	99
65) Chlorobenzene	11.41	112	311572	49.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	113586	49.317	ug/l	98
67) Ethyl Benzene	11.48	91	587032	50.073	ug/l	99
68) m/p-Xylenes	11.60	106	419437	101.065	ug/l	99
69) o-Xylene	11.92	106	203357	50.326	ug/l	99
70) Styrene	11.94	104	351069	52.569	ug/l	99
71) Bromoform	12.10	173	87141	51.612	ug/l #	98
73) Isopropylbenzene	12.22	105	551176	47.639	ug/l	99
74) N-amyl acetate	12.05	43	284929	50.597	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	184647	47.465	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	160983m	43.881	ug/l	
77) Bromobenzene	12.50	156	125283	47.631	ug/l	97
78) n-propylbenzene	12.57	91	647466	47.908	ug/l	100
79) 2-Chlorotoluene	12.65	91	388958	47.420	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	465489	49.078	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	62922	45.908	ug/l	99
82) 4-Chlorotoluene	12.75	91	403035	48.400	ug/l	100
83) tert-Butylbenzene	12.97	119	386867	48.065	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	457864	48.567	ug/l	100
85) sec-Butylbenzene	13.15	105	520304	48.783	ug/l	100
86) p-Isopropyltoluene	13.26	119	451563	49.054	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	220733	48.645	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	221306	47.399	ug/l	99
89) n-Butylbenzene	13.59	91	388389	47.783	ug/l	100
90) Hexachloroethane	13.85	117	87132	48.117	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	215693	49.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	34427	48.494	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	103198	49.578	ug/l	97
94) Hexachlorobutadiene	14.98	225	55781	47.886	ug/l	98
95) Naphthalene	15.10	128	277651	48.843	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	101288	43.335	ug/l	99

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

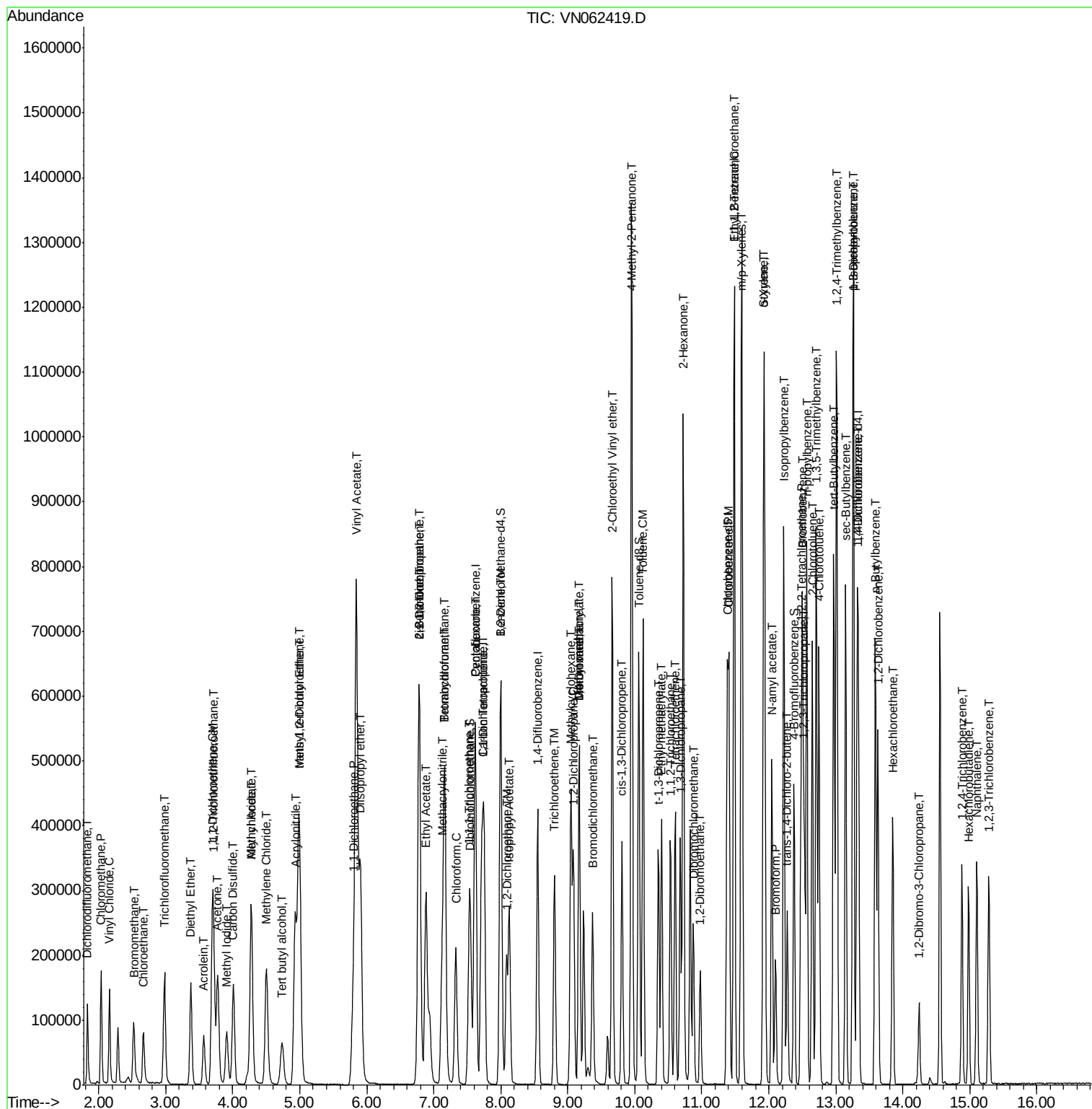
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070820\
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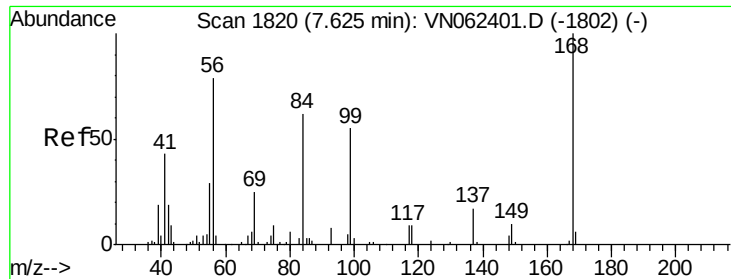
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 200039

Ion Ratio Lower Upper

168 100

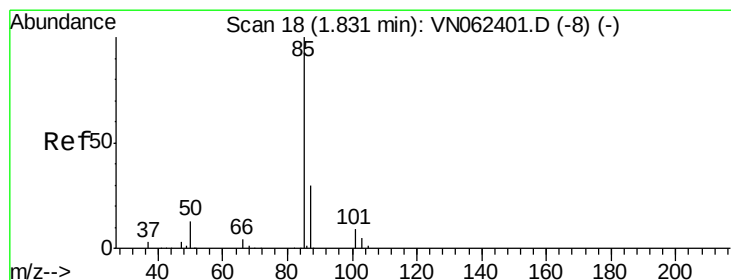
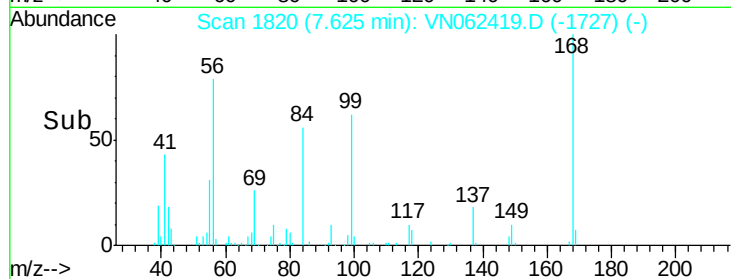
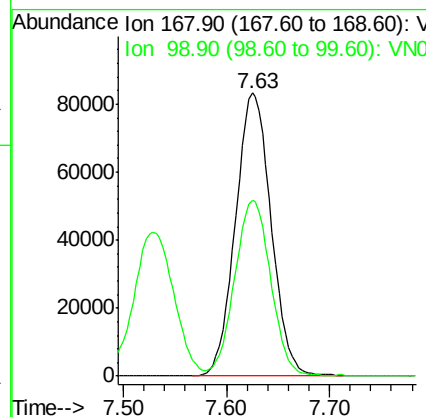
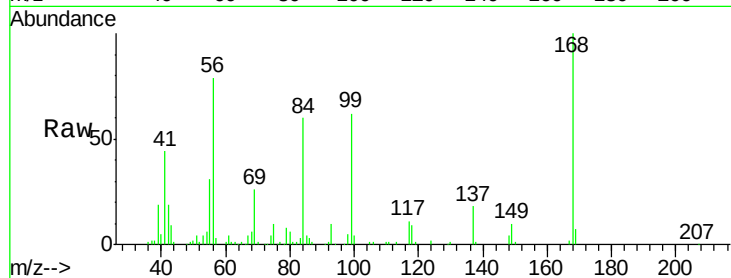
99 61.8 48.8 73.2

Manual Integrations

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7/9/2020 10:58:39 AM



#2

Dichlorodifluoromethane

Concen: 47.988 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062419.D

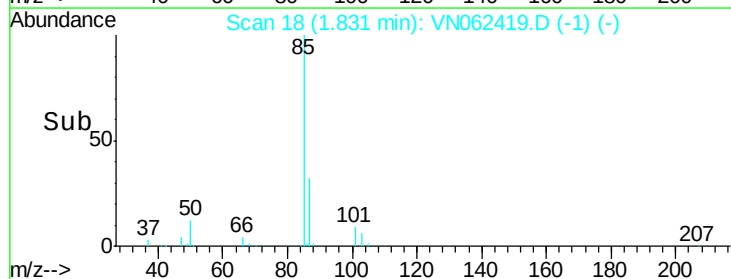
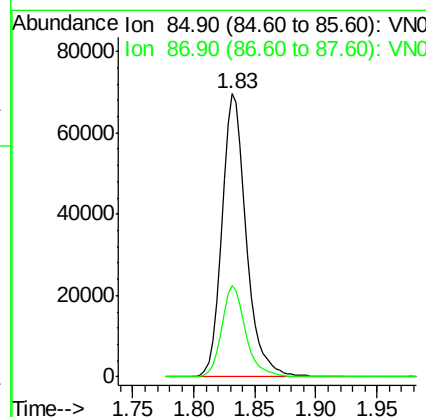
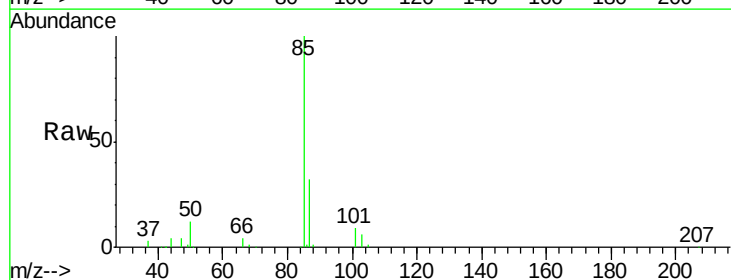
Acq: 8 Jul 2020 20:15

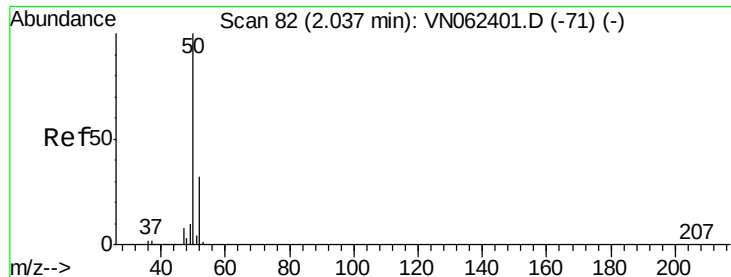
Tgt Ion: 85 Resp: 97781

Ion Ratio Lower Upper

85 100

87 32.1 15.2 45.5





#3

Chloromethane

Concen: 46.819 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 153070

Ion Ratio Lower Upper

50 100

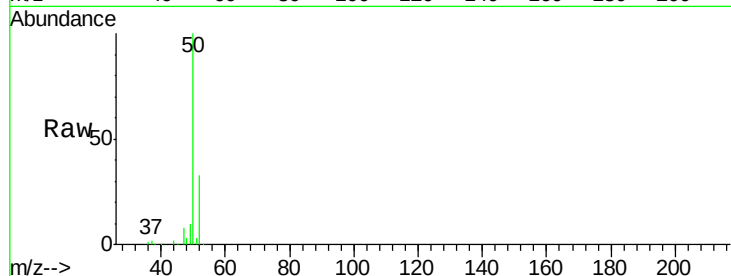
52 32.7 25.5 38.3

Manual Integrations

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7/9/2020 10:58:39 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

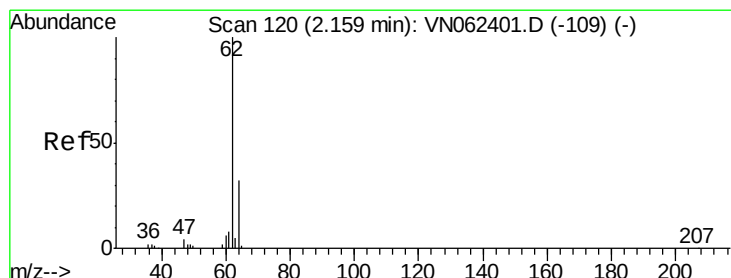
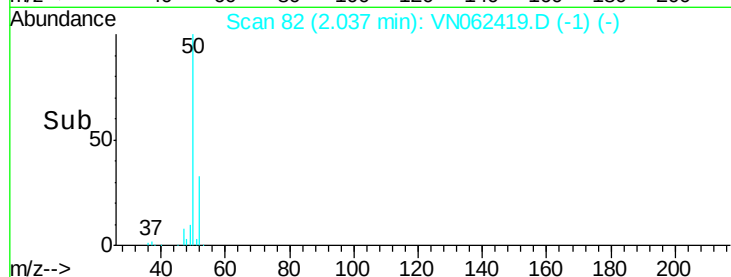
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 48.785 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062419.D

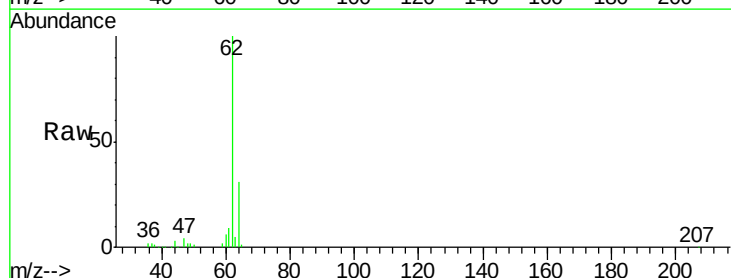
Acq: 8 Jul 2020 20:15

Tgt Ion: 62 Resp: 130675

Ion Ratio Lower Upper

62 100

64 30.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

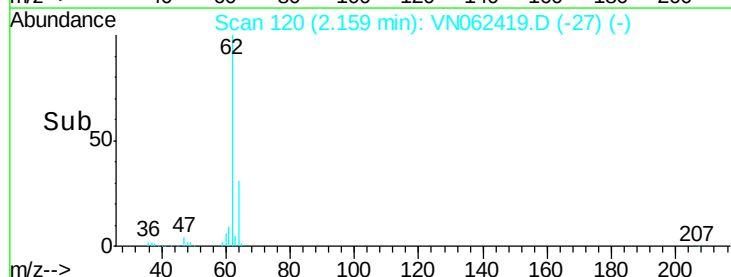
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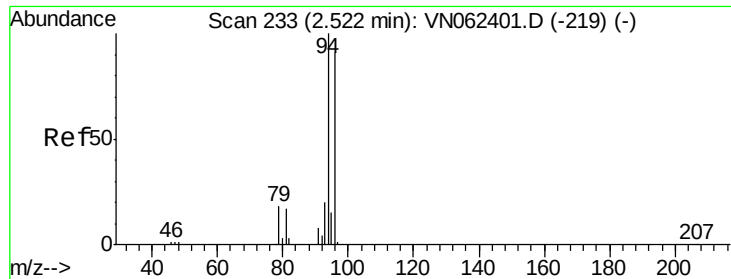
40000

20000

0

Time-->





#5

Bromomethane

Concen: 47.534 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

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VSTDCCC050EC

Tot Ion: 94 Resp: 68382

Ion Ratio Lower Upper

94 100

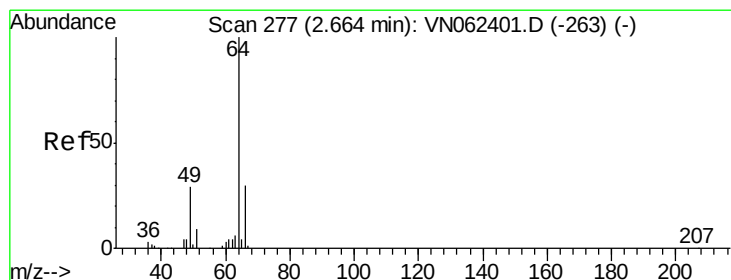
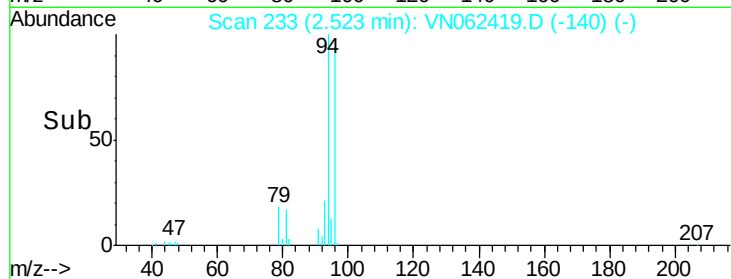
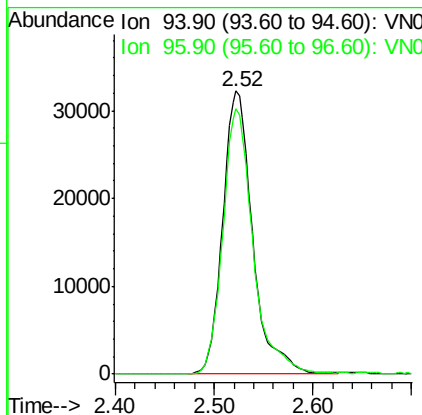
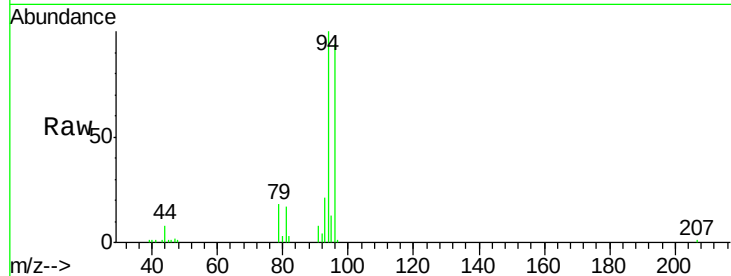
96 93.8 73.2 109.8

Manual Integrations

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7/9/2020 10:58:39 AM



#6

Chloroethane

Concen: 49.728 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062419.D

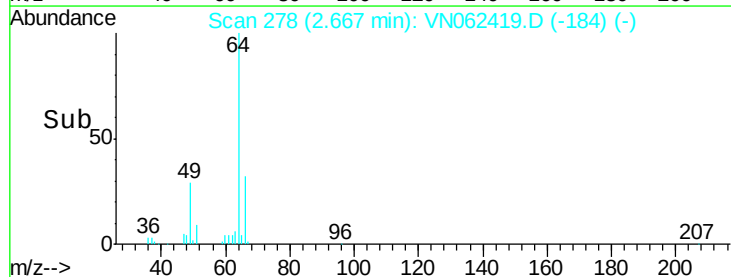
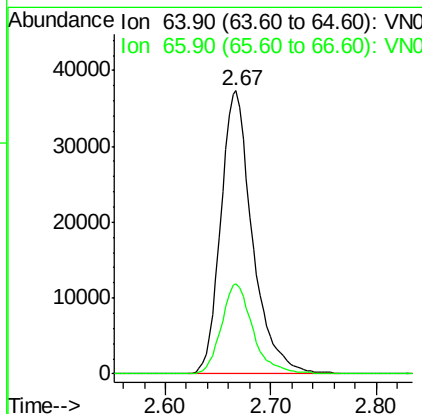
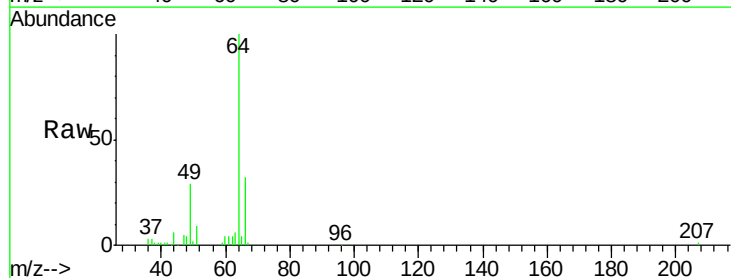
Acq: 8 Jul 2020 20:15

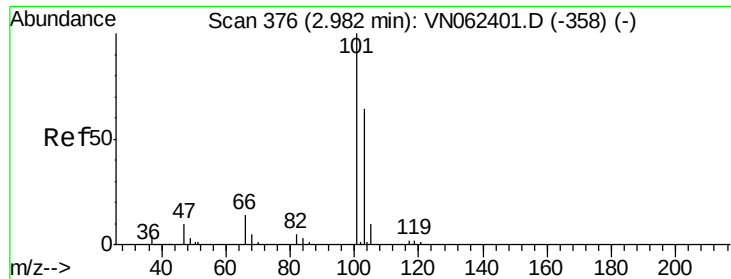
Tgt Ion: 64 Resp: 77580

Ion Ratio Lower Upper

64 100

66 32.0 24.2 36.2





#7

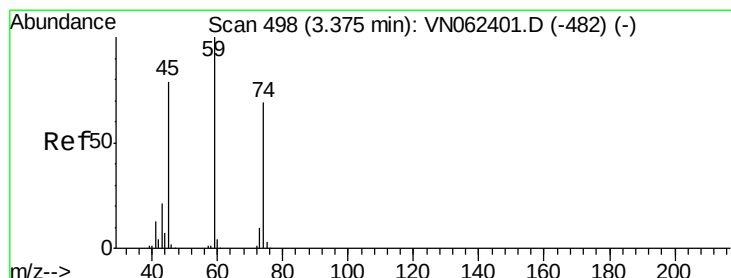
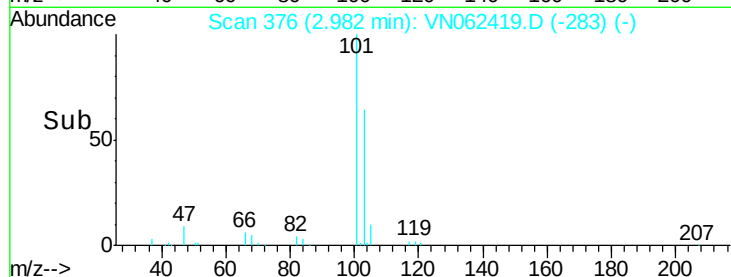
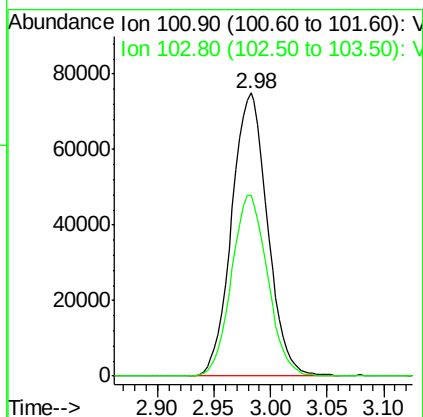
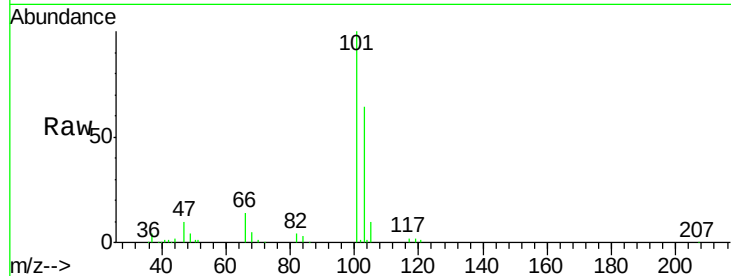
Trichlorofluoromethane
 Concen: 48.667 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.6	77.4

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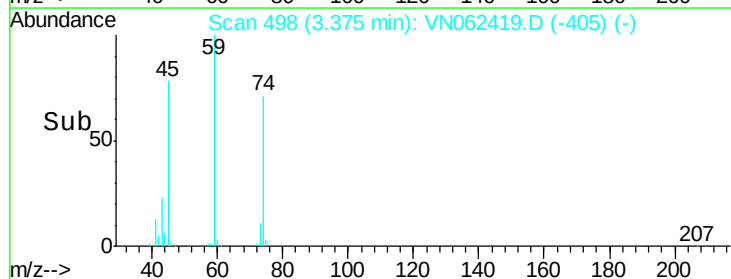
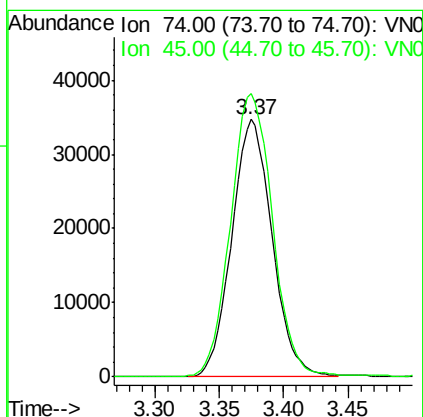
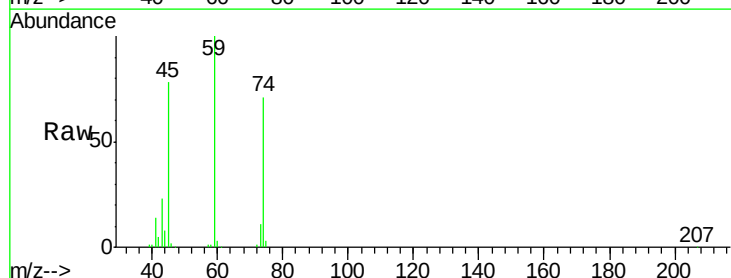
MMDadoda
 7/9/2020 10:58:39 AM

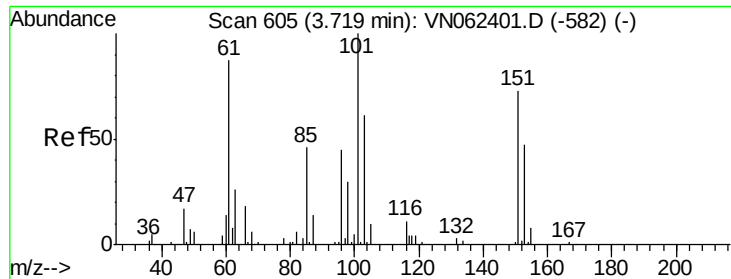


#8

Diethyl Ether
 Concen: 49.728 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.7	58.5	175.3





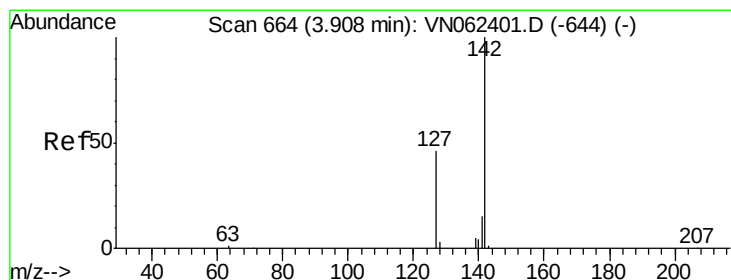
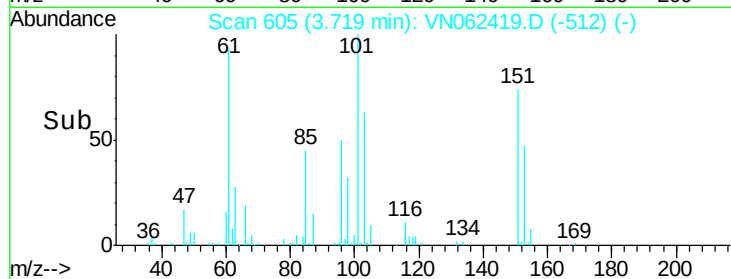
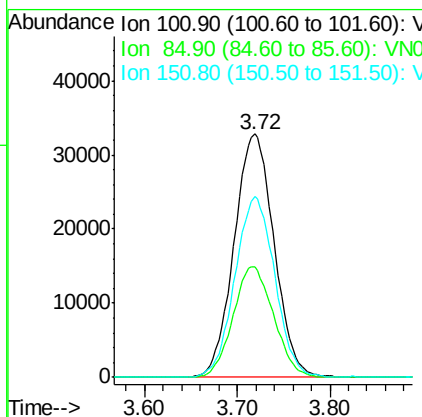
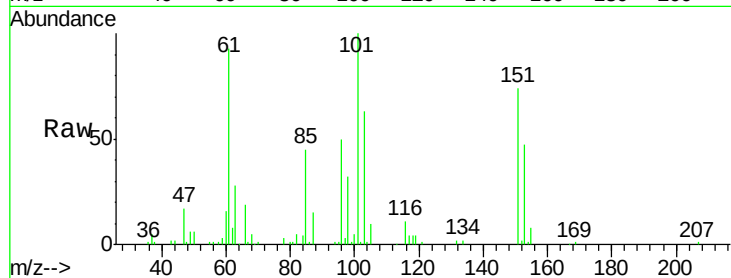
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.711 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.1	36.7	55.1
151	74.0	58.3	87.5

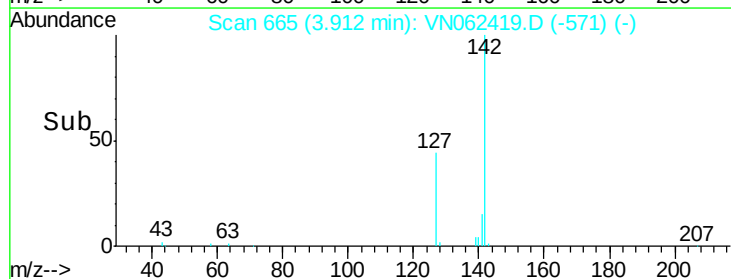
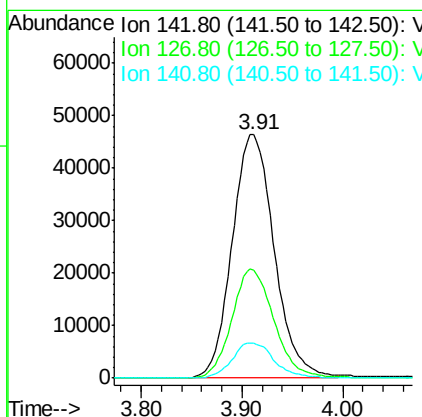
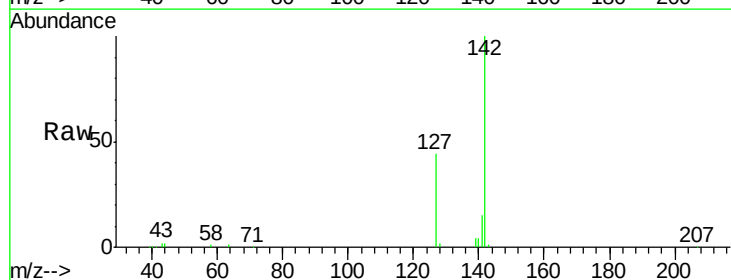
Manual Integrations
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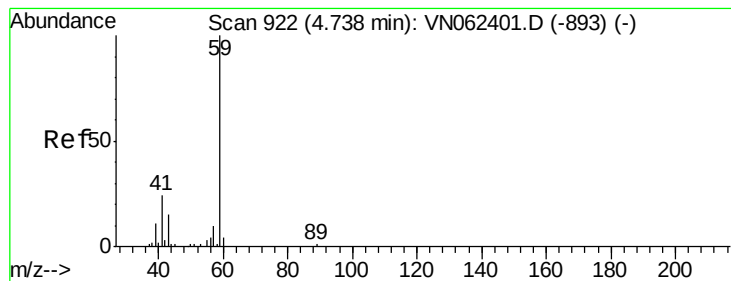
MMDadoda
 7/9/2020 10:58:39 AM



#10
 Methyl Iodide
 Concen: 50.623 ug/l
 RT: 3.91 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.9	36.1	54.1
141	14.4	11.4	17.0





#11

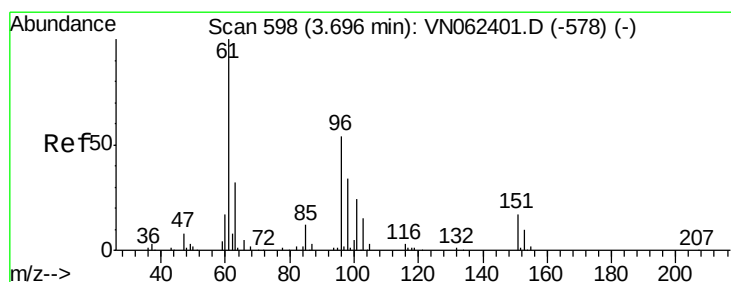
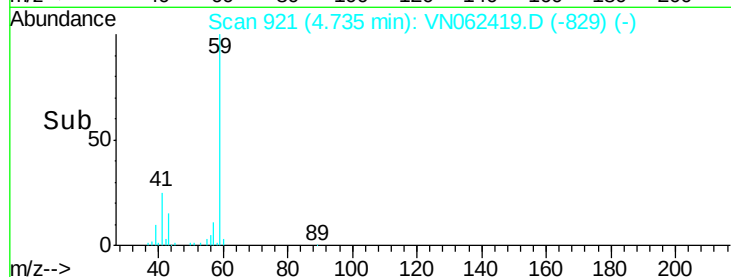
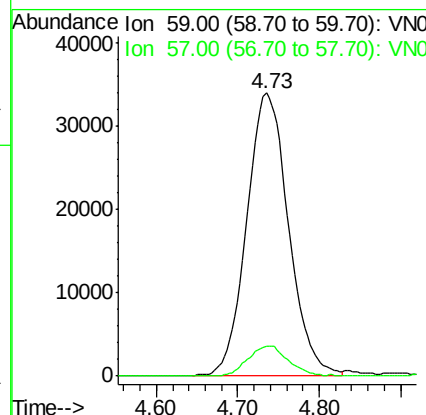
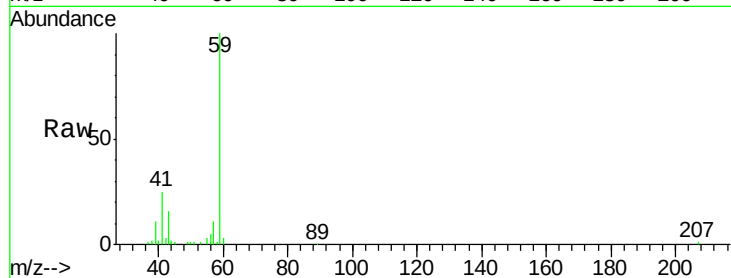
Tert butyl alcohol
Concen: 236.179 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.6

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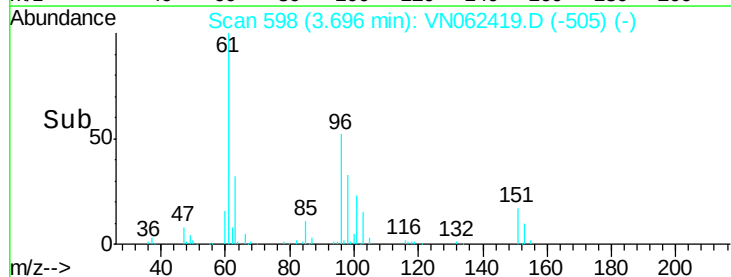
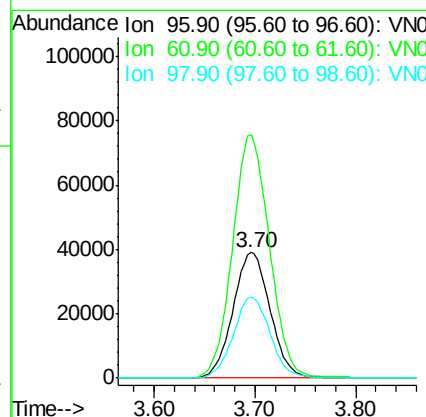
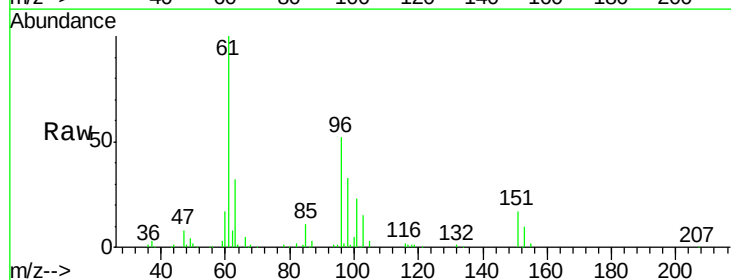
MMDadoda
7/9/2020 10:58:39 AM

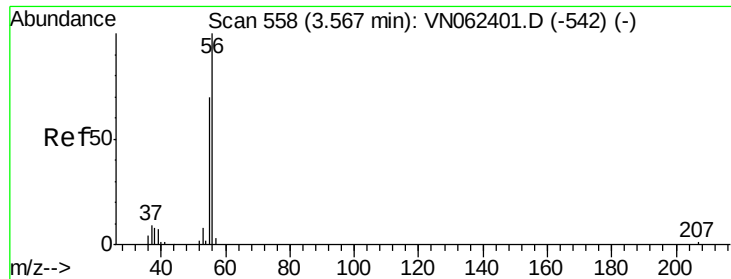


#12

1,1-Dichloroethene
Concen: 48.691 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.5	147.4	221.0
98	64.8	50.4	75.6





#13

Acrolein

Concen: 236.517 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 87083

Ion Ratio Lower Upper

56 100

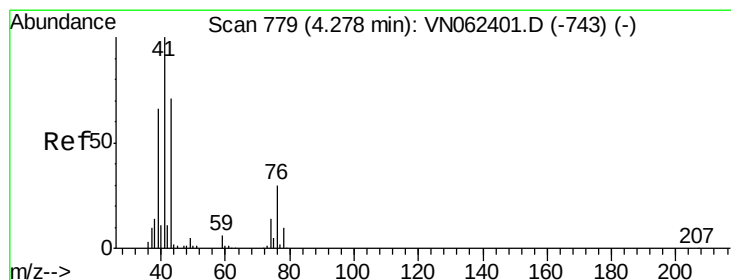
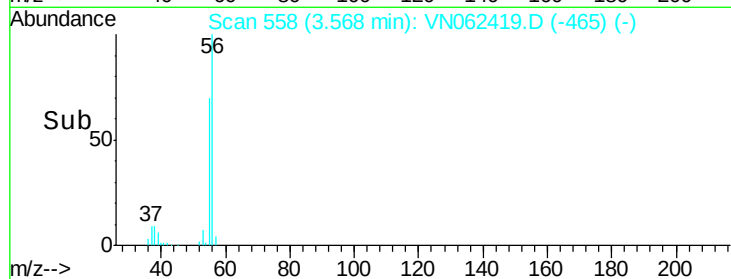
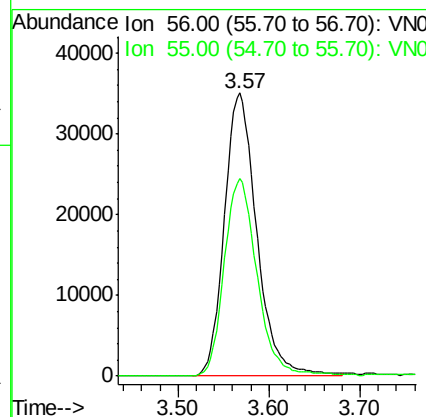
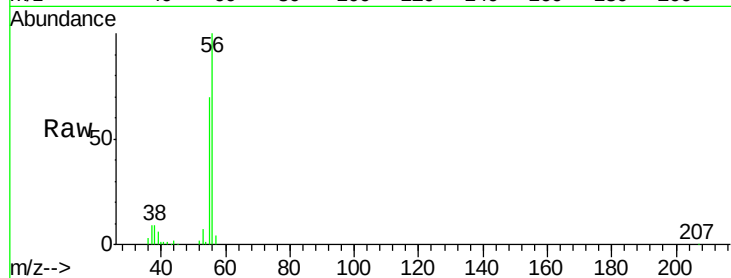
55 70.1 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 48.830 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

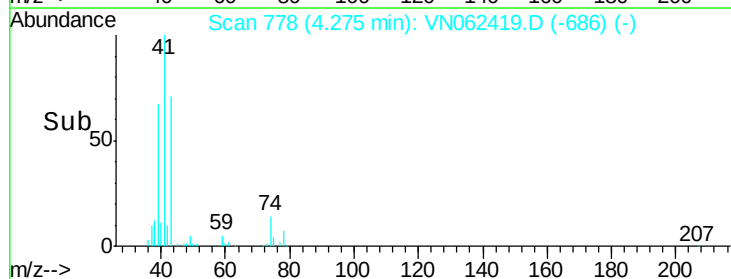
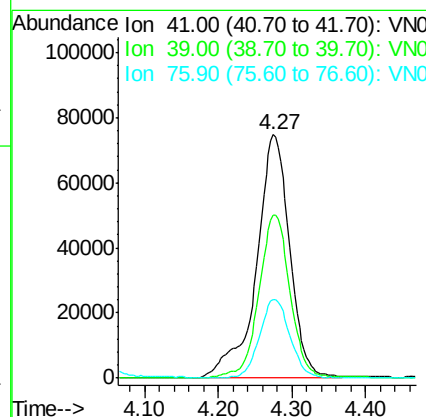
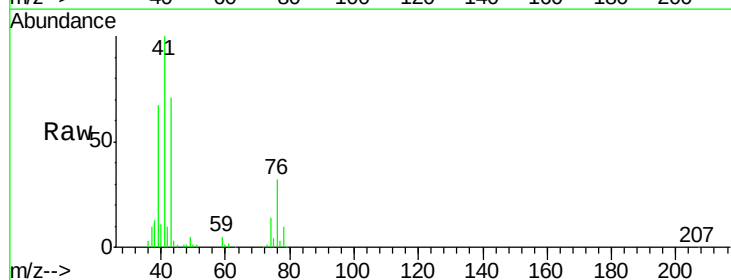
Tgt Ion: 41 Resp: 235794

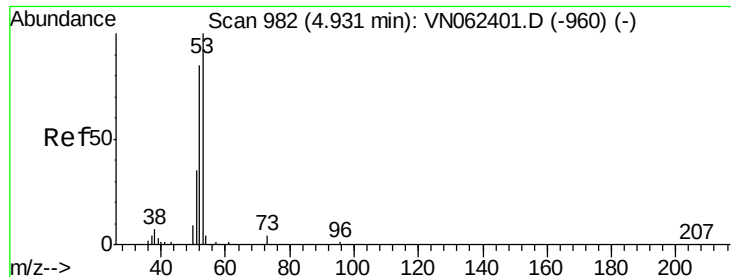
Ion Ratio Lower Upper

41 100

39 62.7 49.6 74.4

76 28.6 22.2 33.4





#15

Acrylonitrile

Concen: 254.973 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

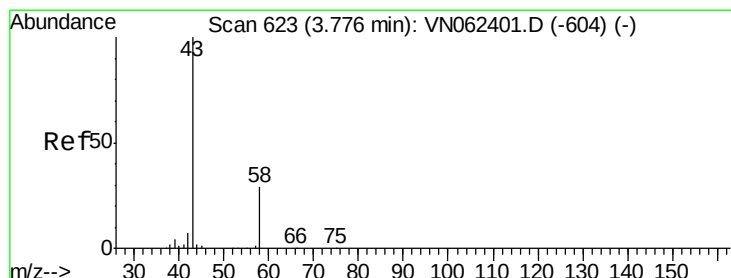
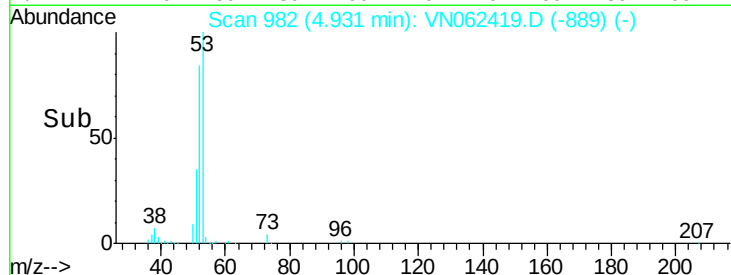
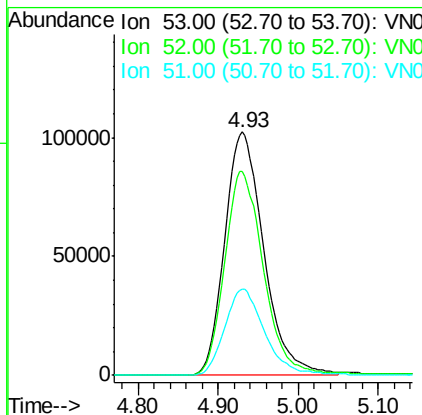
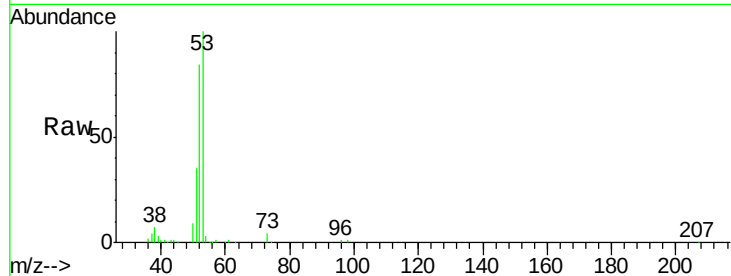
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	341307
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.2	99.4
51	36.3	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 219.033 ug/l

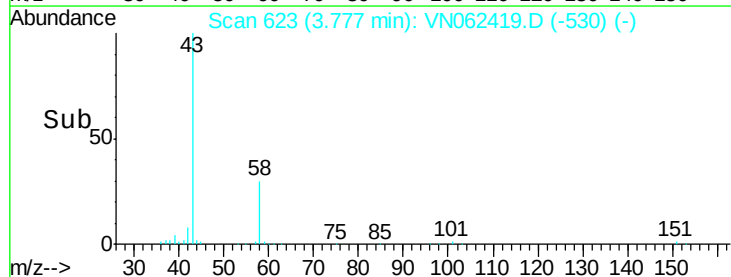
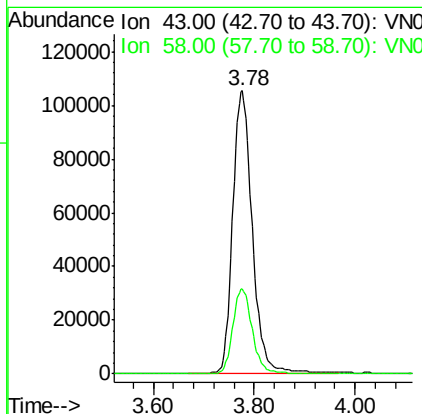
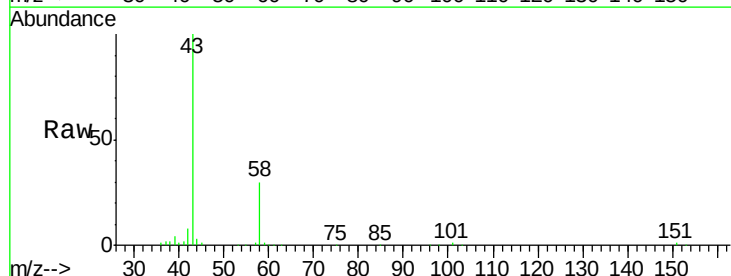
RT: 3.78 min Scan# 623

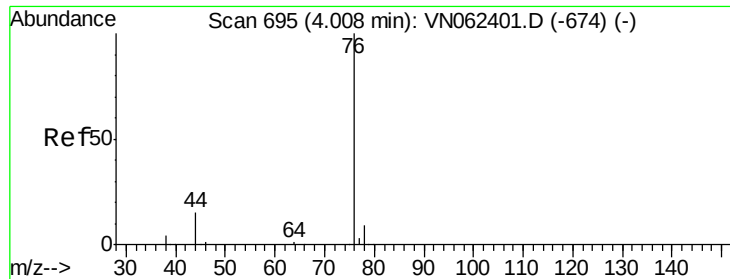
Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Tgt Ion:	43	Resp:	286122
Ion Ratio		Lower	Upper
43	100		
58	30.0	23.5	35.3





#17

Carbon Disulfide

Concen: 47.335 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 304539

Ion Ratio Lower Upper

76 100

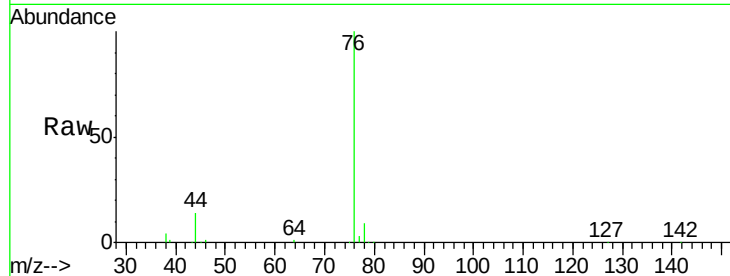
78 8.7 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

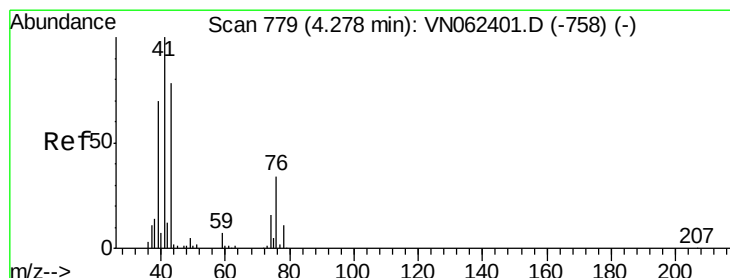
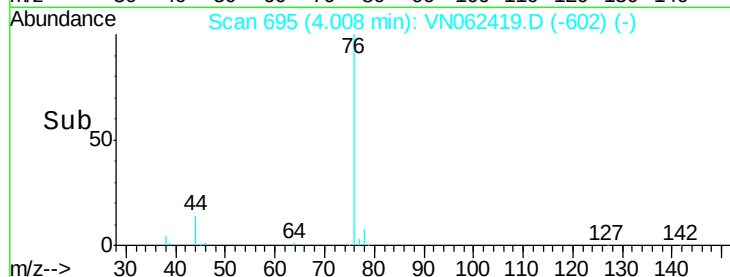
100000

50000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 47.508 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062419.D

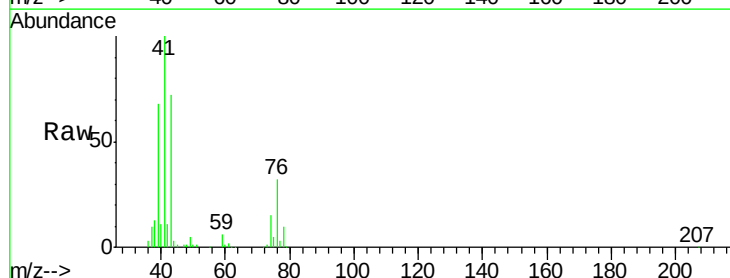
Acq: 8 Jul 2020 20:15

Tgt Ion: 43 Resp: 154872

Ion Ratio Lower Upper

43 100

74 20.1 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

60000

50000

40000

30000

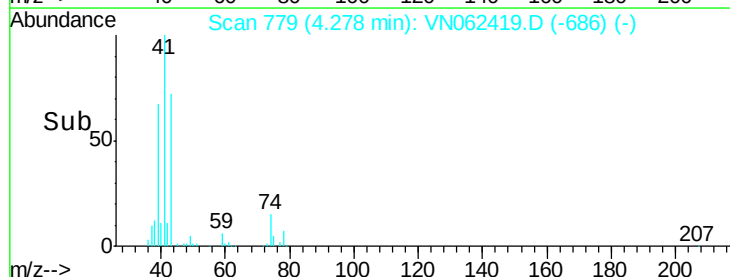
20000

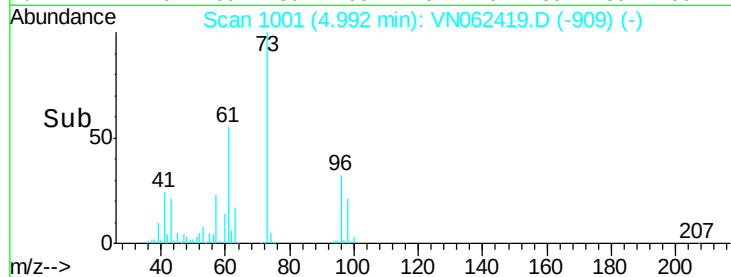
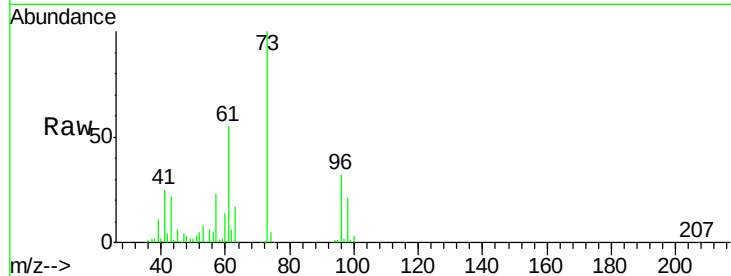
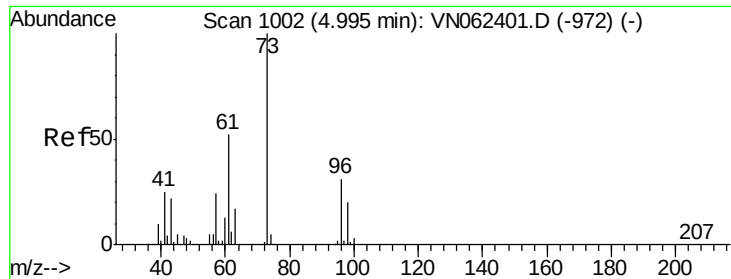
10000

0

Time-->

4.20 4.30 4.40





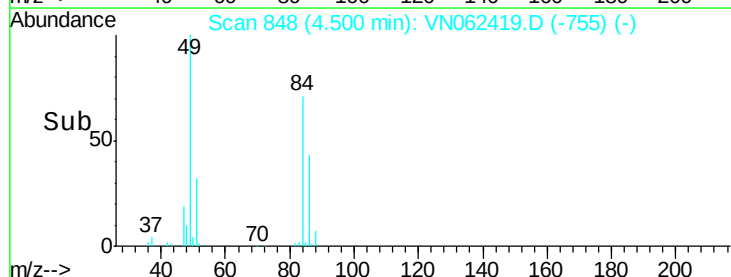
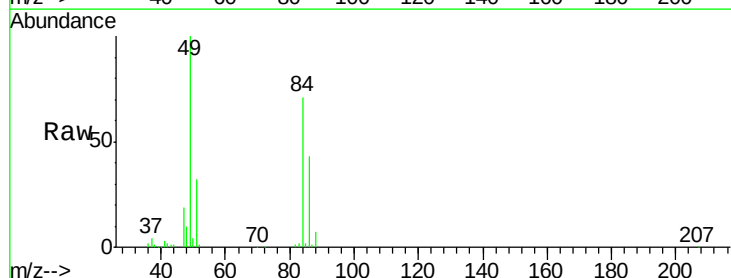
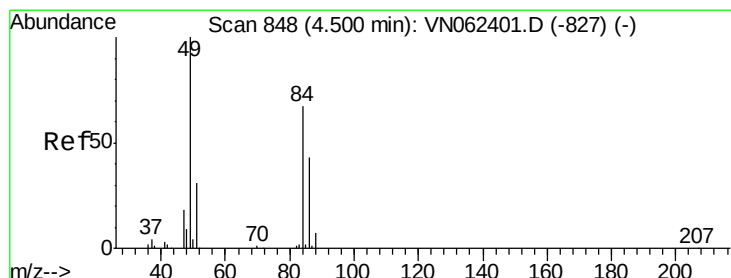
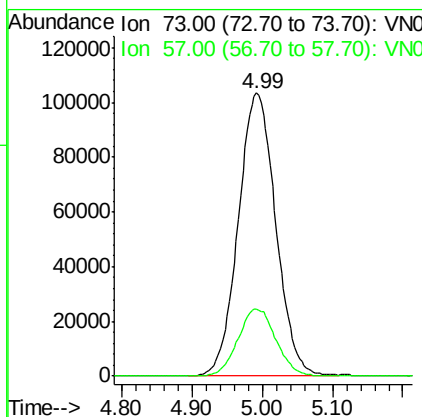
#19
Methyl tert-butyl Ether
Concen: 49.283 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tot Ion: 73 Resp: 383642
Ion Ratio Lower Upper
73 100
57 23.5 19.4 29.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

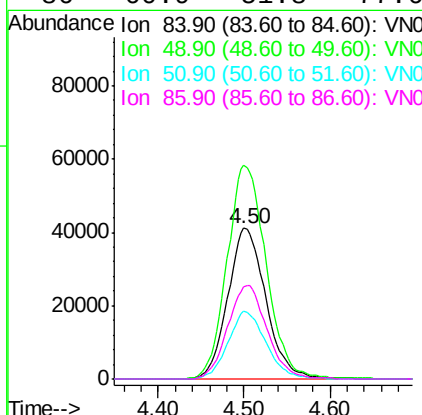
Manual Integrations
APPROVED

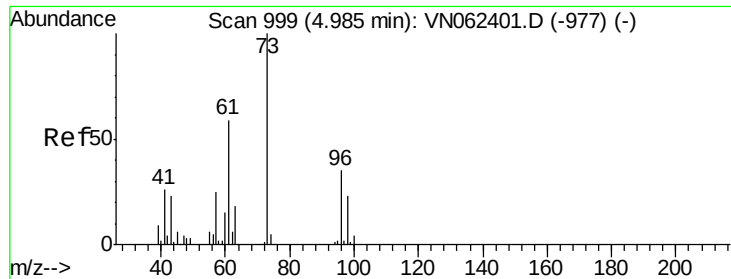
MMDadoda
7/9/2020 10:58:39 AM



#20
Methylene Chloride
Concen: 45.399 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion: 84 Resp: 126799
Ion Ratio Lower Upper
84 100
49 141.0 120.0 180.0
51 45.1 37.0 55.6
86 60.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.327 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

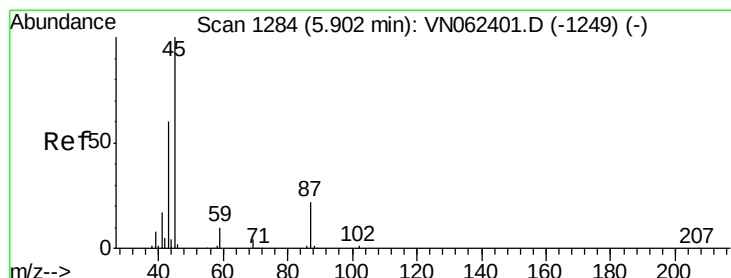
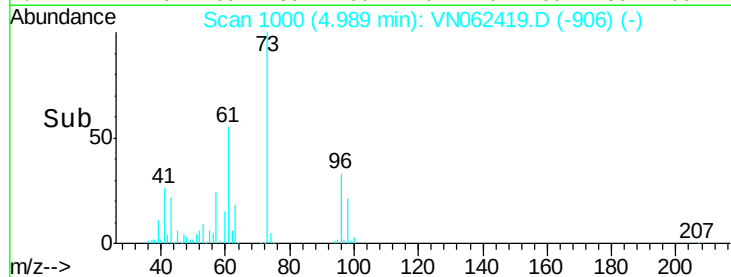
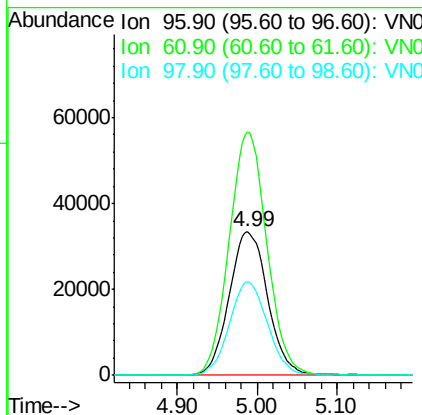
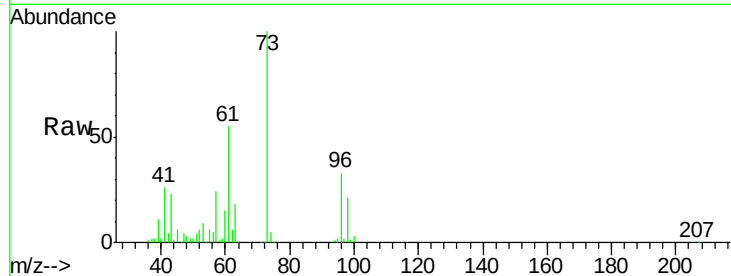
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	109720
Ion	Ratio	Lower	Upper
96	100		
61	169.6	133.5	200.3
98	65.0	51.9	77.9

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MMDadoda
7/9/2020 10:58:39 AM



#22

Diisopropyl ether

Concen: 50.399 ug/l

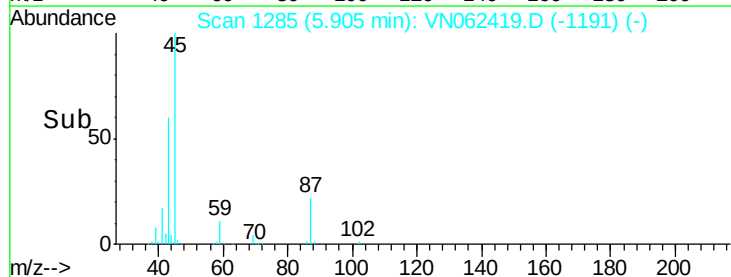
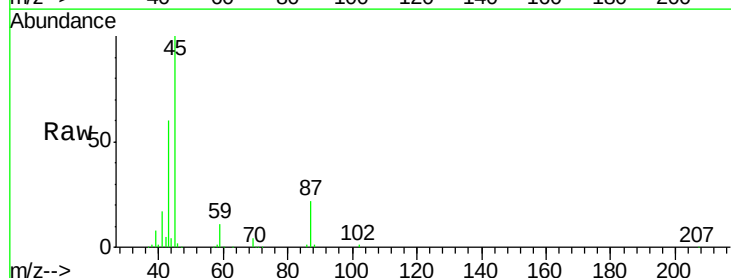
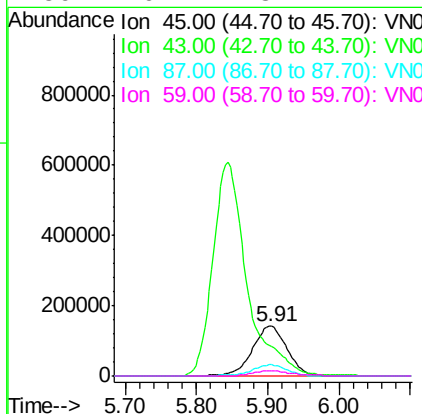
RT: 5.91 min Scan# 1285

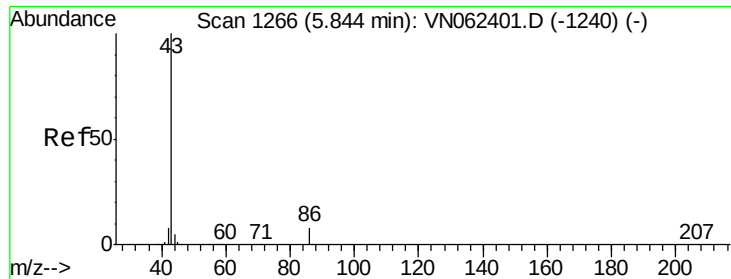
Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Tgt Ion:	45	Resp:	480822
Ion	Ratio	Lower	Upper
45	100		
43	57.8	50.1	75.1
87	21.9	18.2	27.4
59	10.7	8.2	12.2





#23

Vinyl Acetate

Concen: 256.296 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2025518

Ion Ratio Lower Upper

43 100

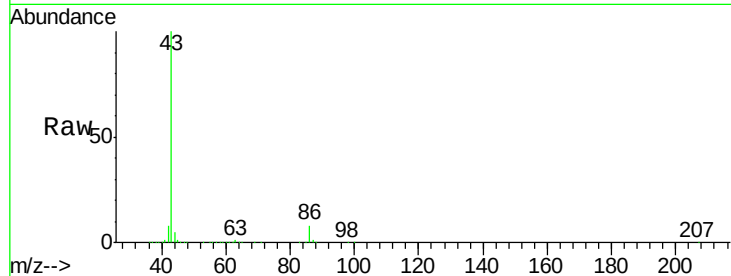
86 8.3 6.7 10.1

Manual Integrations

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7/9/2020 10:58:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

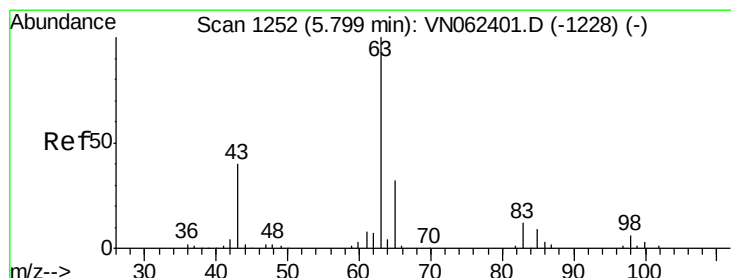
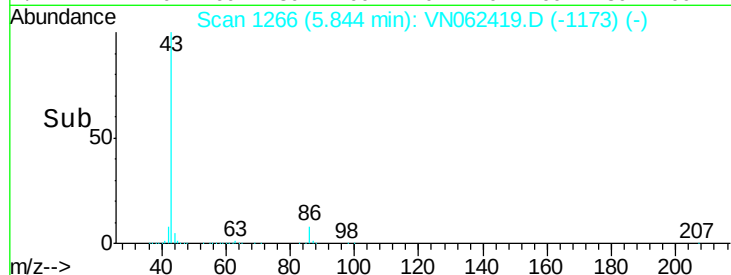
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.454 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

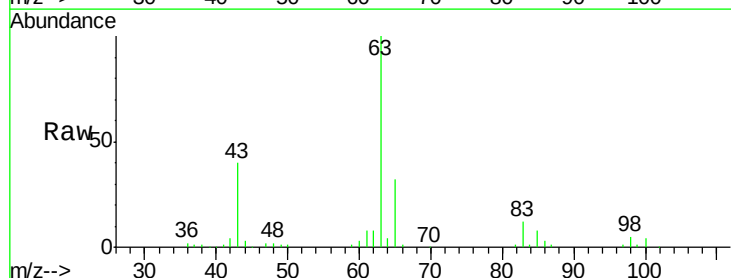
Tgt Ion: 63 Resp: 243801

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.8

100 3.8 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

100000

80000

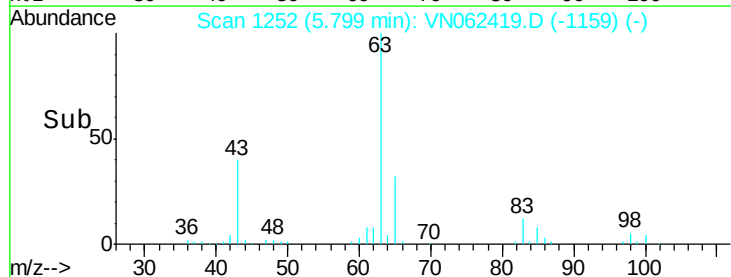
60000

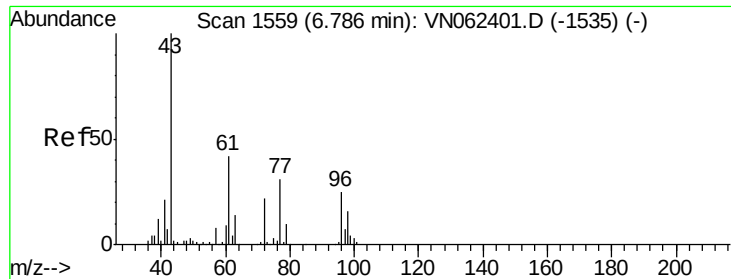
40000

20000

0

Time-->





#25

2-Butanone

Concen: 246.312 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Tot Ion: 43 Resp: 469906

Ion Ratio Lower Upper

43 100

72 22.6 17.9 26.9

Instrument :

MSVOA_N

ClientSampled :

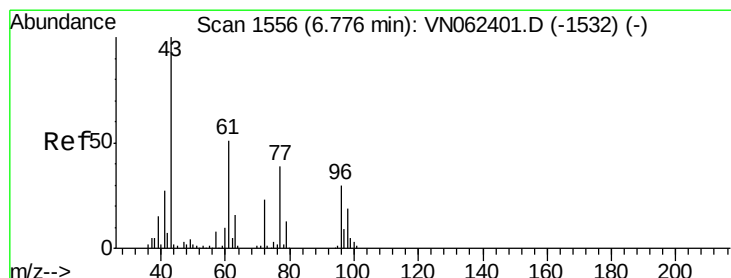
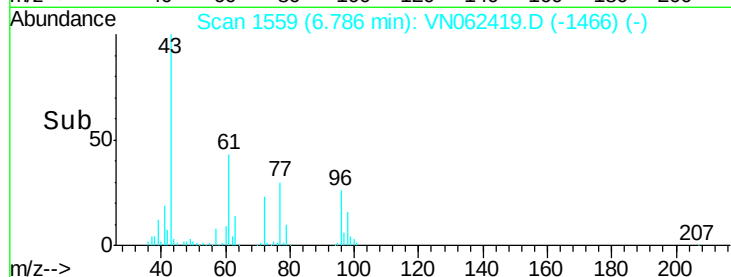
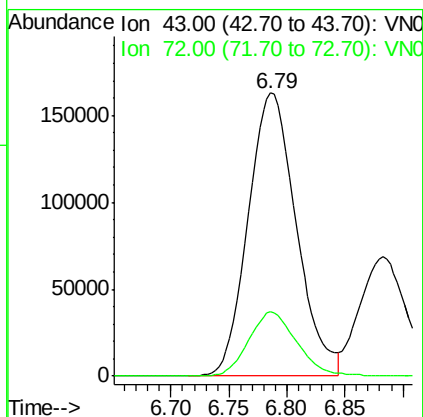
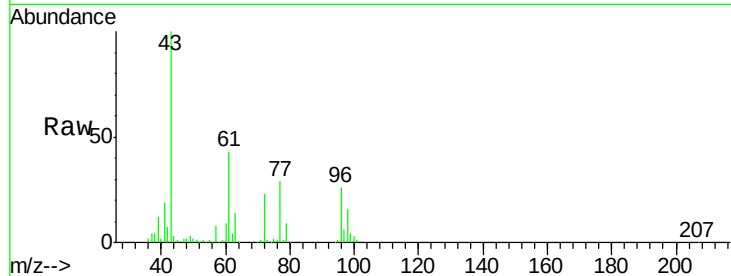
VSTDCCC050EC

Manual Integrations

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MMDadoda

7/9/2020 10:58:39 AM



#26

2,2-Dichloropropane

Concen: 45.863 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062419.D

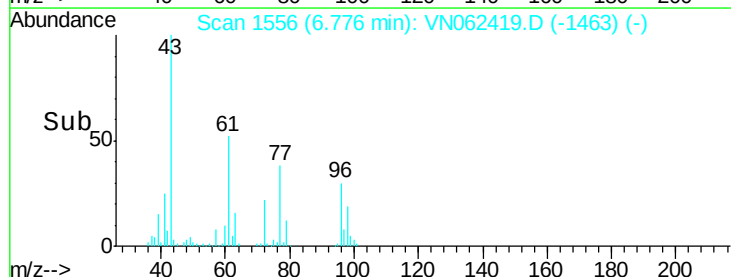
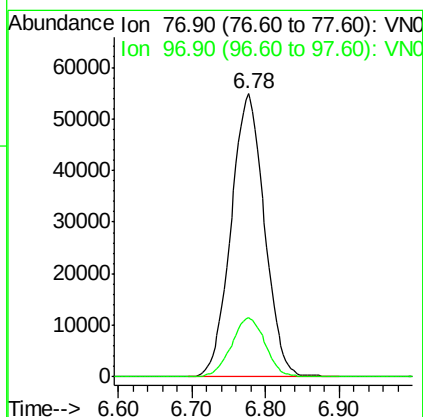
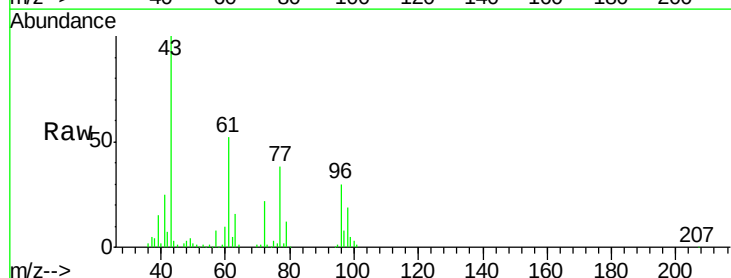
Acq: 8 Jul 2020 20:15

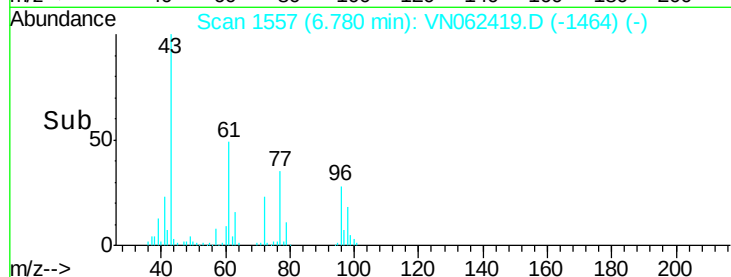
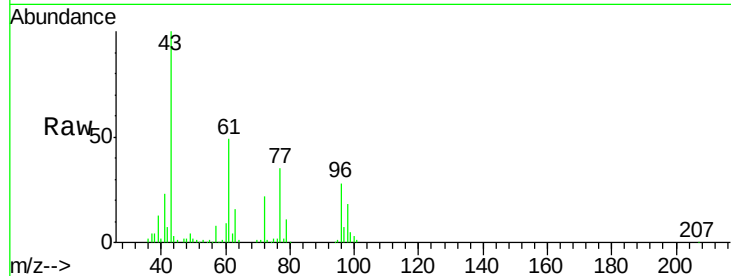
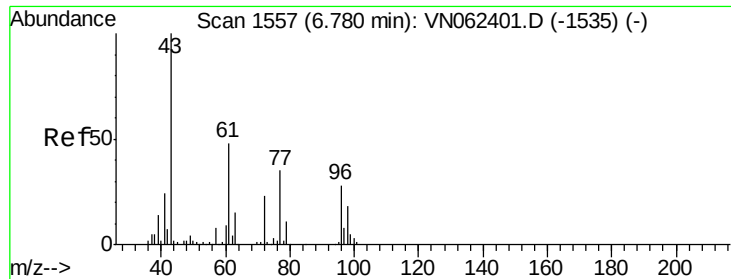
Tgt Ion: 77 Resp: 173361

Ion Ratio Lower Upper

77 100

97 21.0 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 49.929 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062419.D

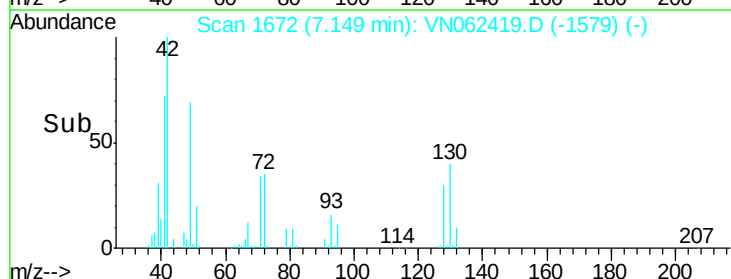
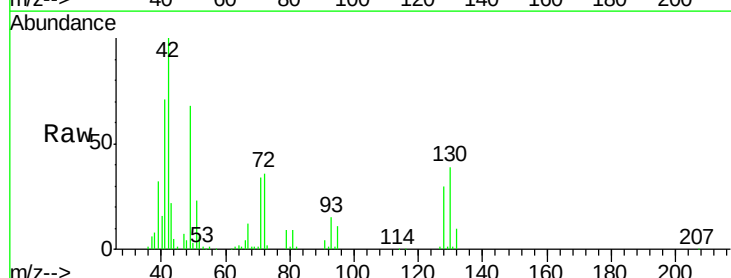
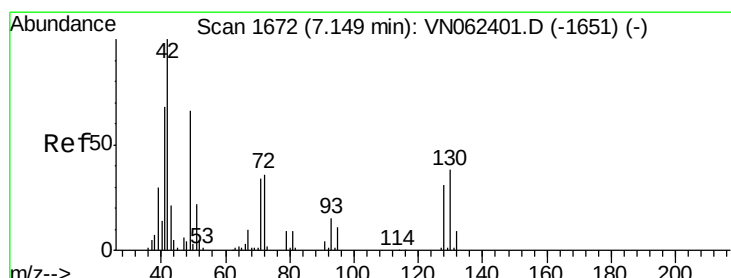
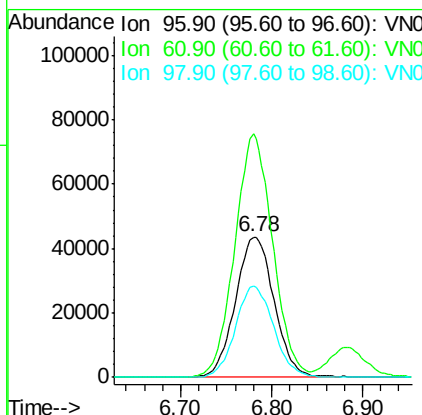
Acq: 8 Jul 2020 20:15

Tot Ion	Ratio	Resp	Lower	Upper
96	100	128638		
61	169.7	0.0	343.4	
98	63.9	0.0	128.4	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#28

Bromochloromethane

Concen: 50.075 ug/l

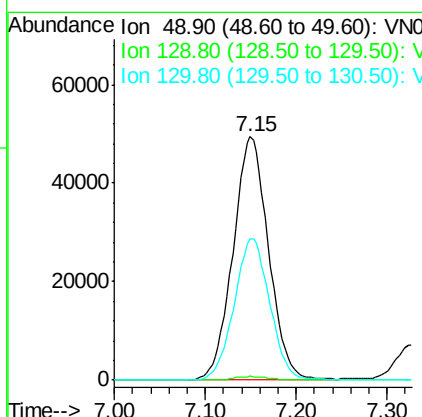
RT: 7.15 min Scan# 1672

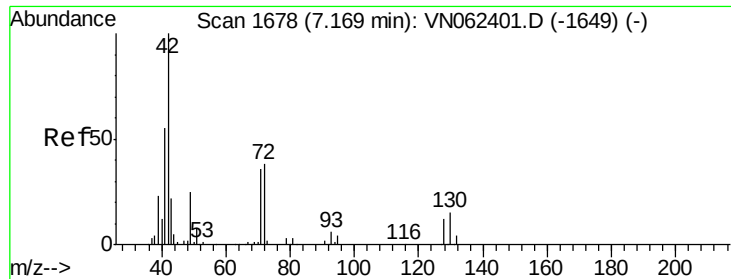
Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	134118		
129	1.4	0.0	2.8	
130	58.1	46.5	69.7	





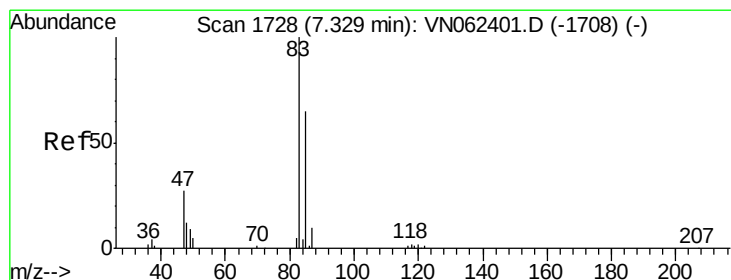
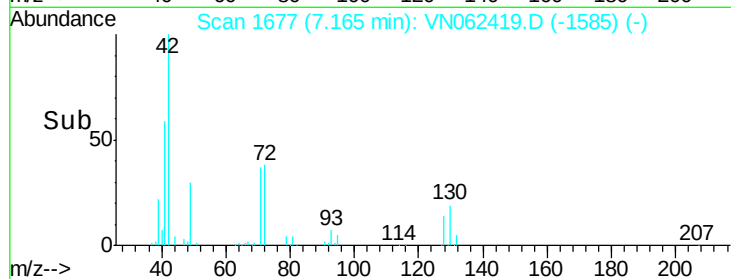
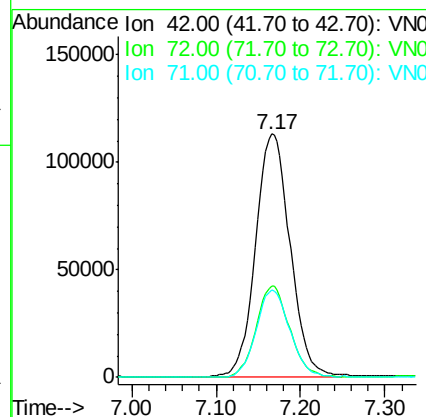
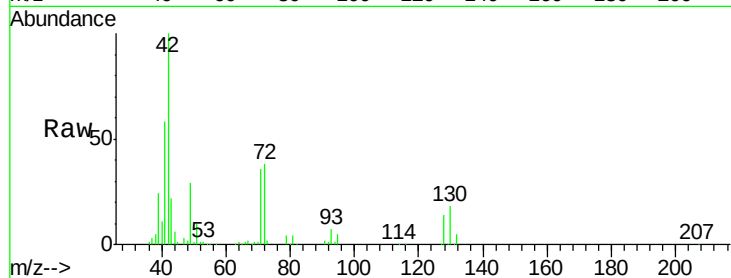
#29
Tetrahydrofuran
Concen: 251.702 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	29.1	43.7
71	35.0	28.1	42.1

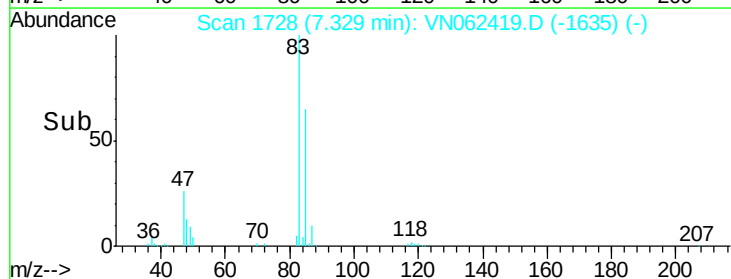
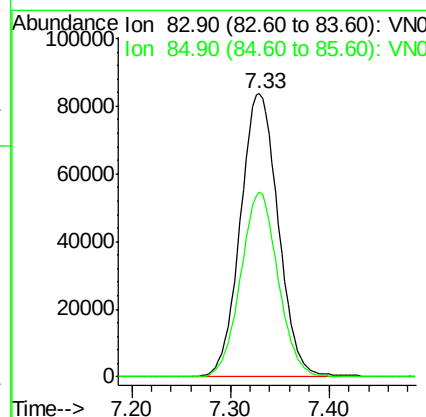
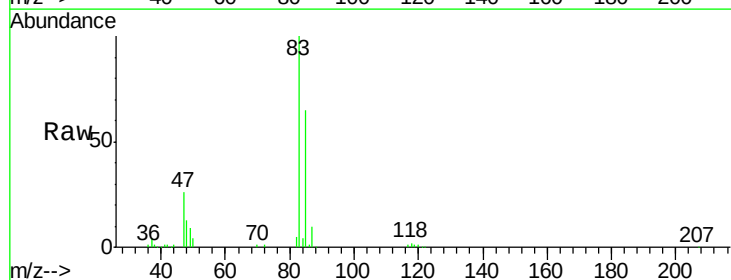
Manual Integrations
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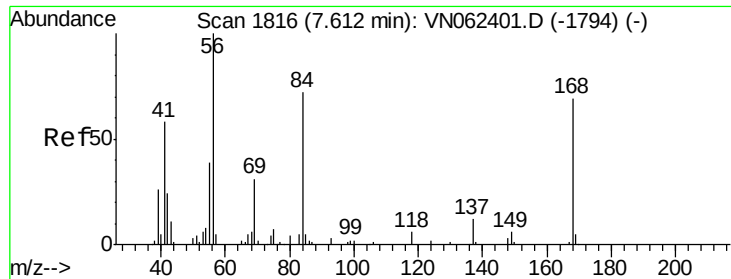
MMDadoda
7/9/2020 10:58:39 AM



#30
Chloroform
Concen: 50.018 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.6





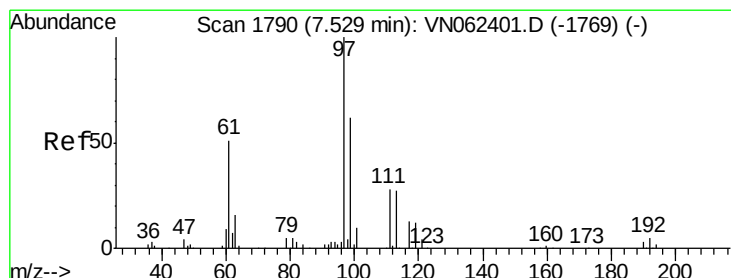
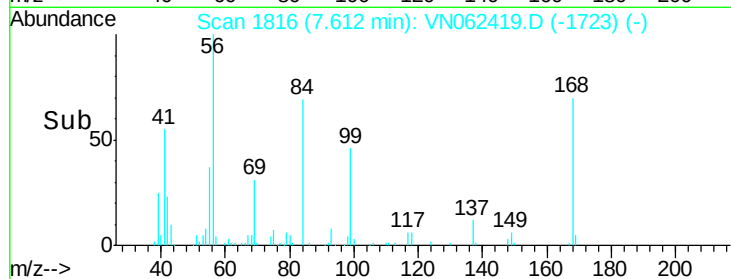
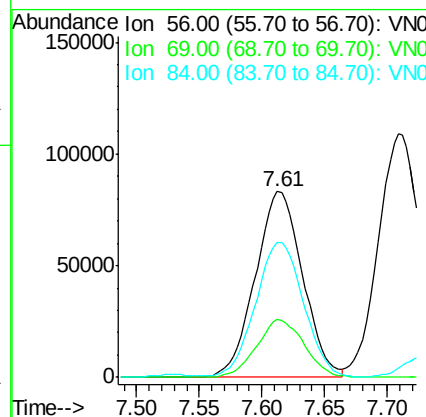
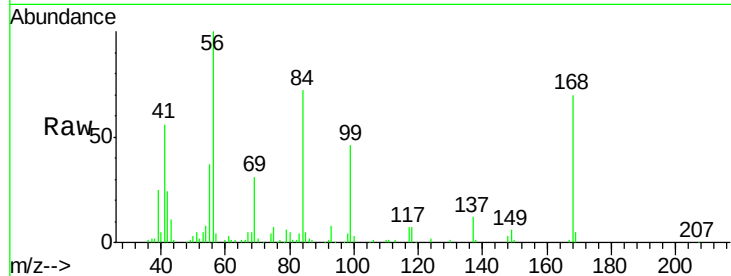
#31
Cyclohexane
Concen: 46.641 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.5	36.7
84	71.2	57.4	86.2

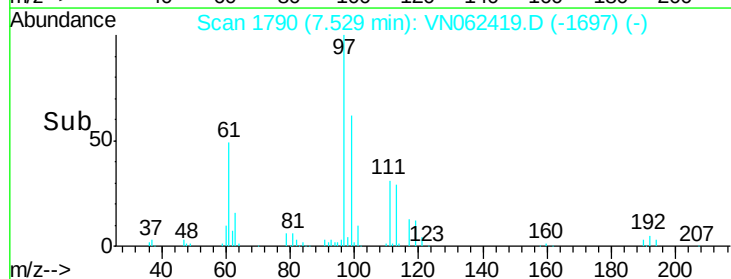
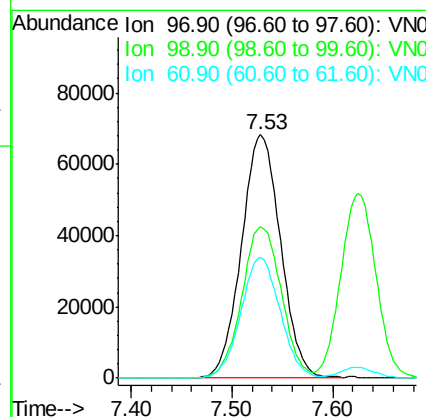
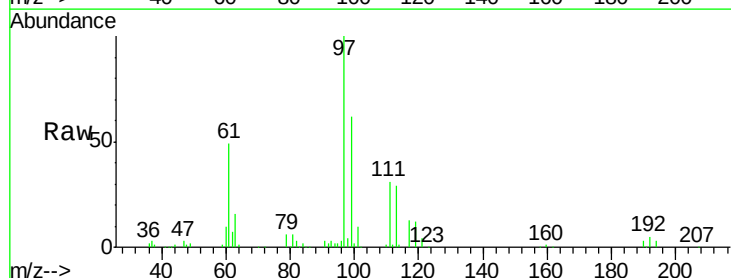
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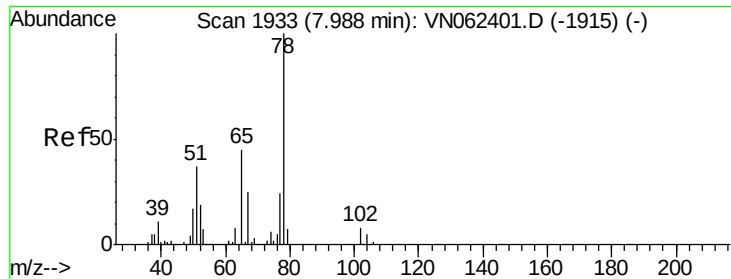
MMDadoda
7/9/2020 10:58:39 AM



#32
1,1,1-Trichloroethane
Concen: 49.762 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.4	75.6
61	49.7	39.9	59.9





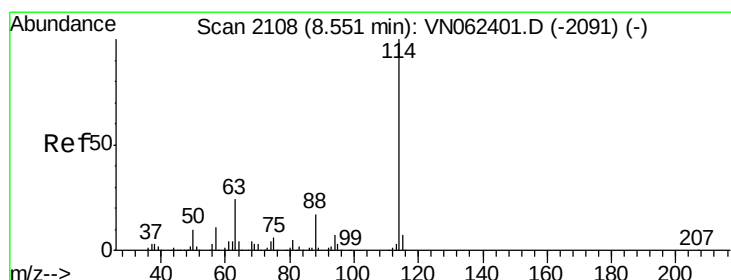
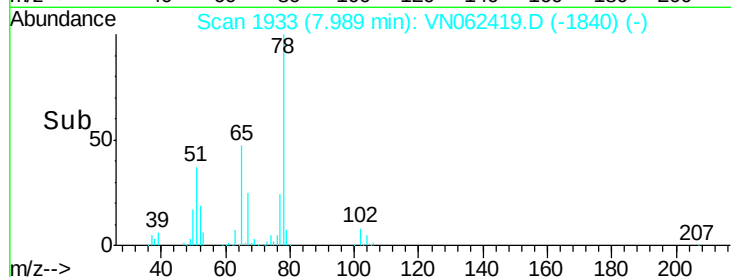
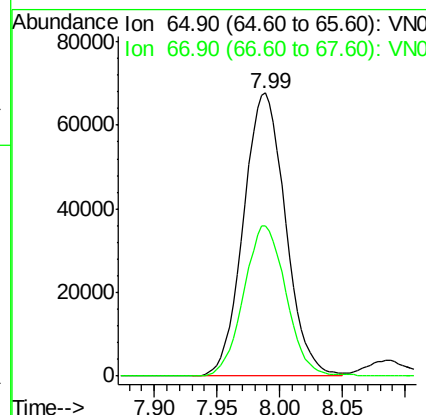
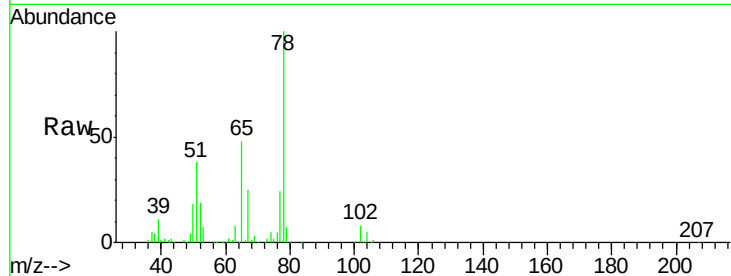
#33
 1,2-Dichloroethane-d4
 Concen: 51.387 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	158111		
67	53.3	0.0	107.6	

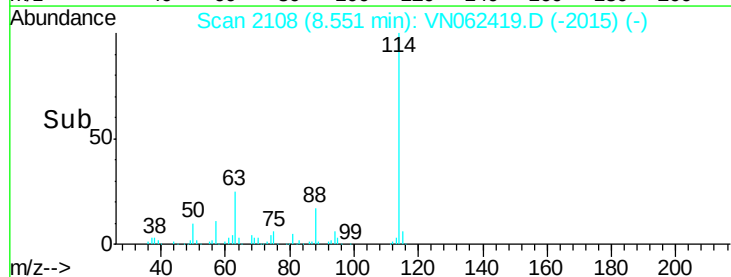
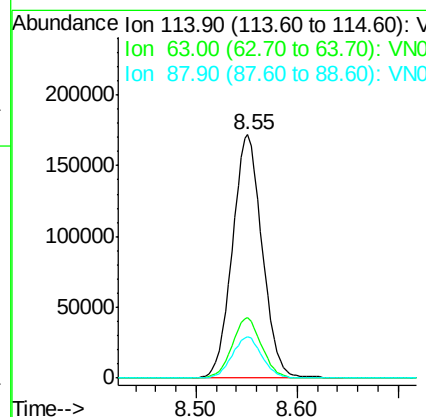
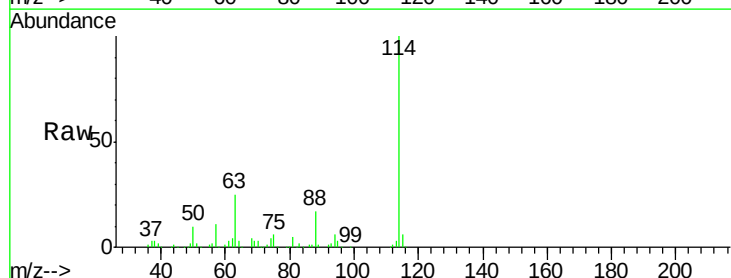
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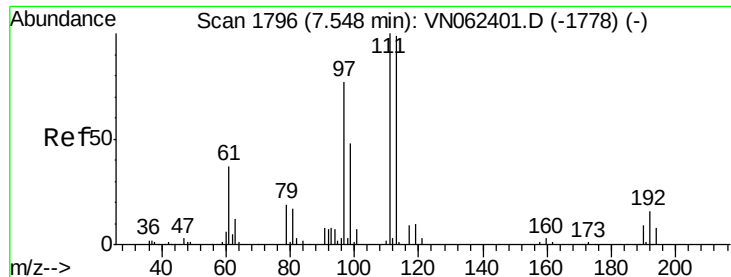
MMDadoda
 7/9/2020 10:58:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	353107		
63	24.7	0.0	48.4	
88	16.9	0.0	33.8	





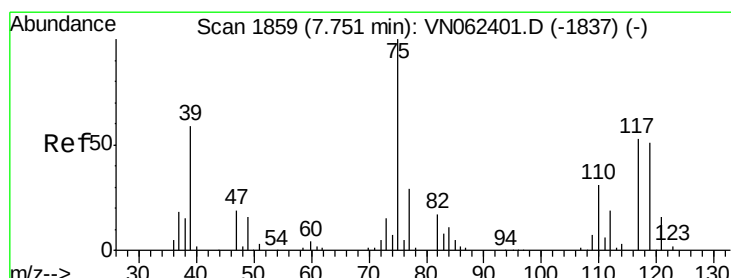
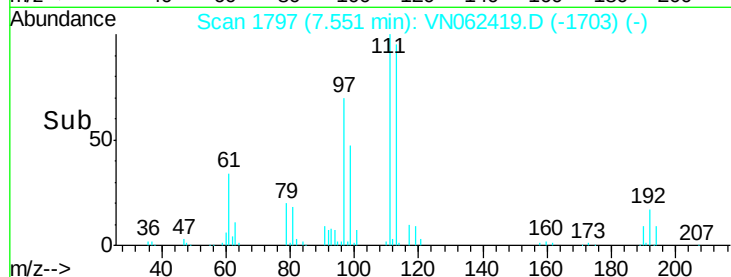
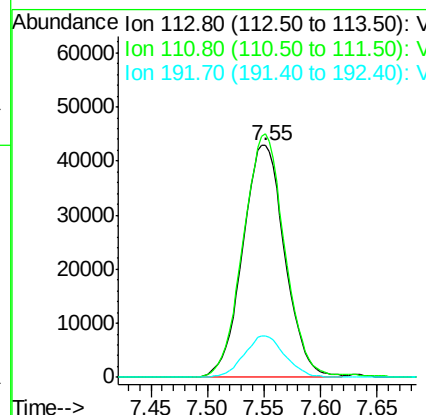
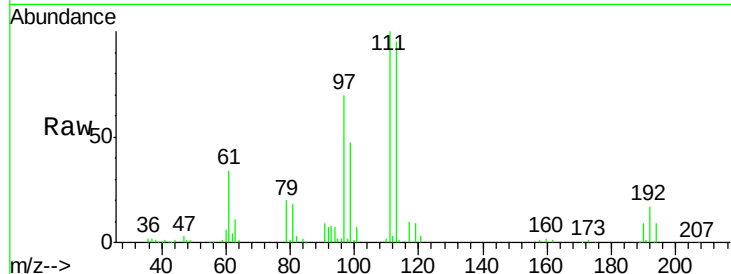
#35
 Dibromofluoromethane
 Concen: 50.897 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111091		
111	104.4	83.1	124.7	
192	17.4	14.1	21.1	

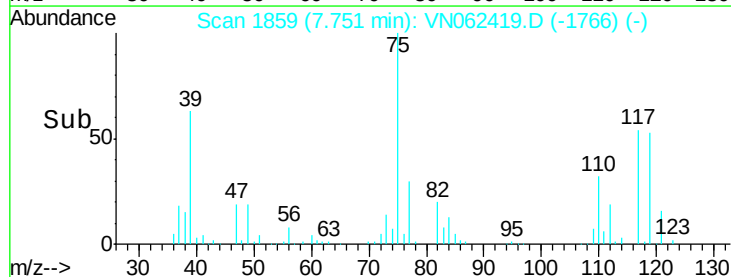
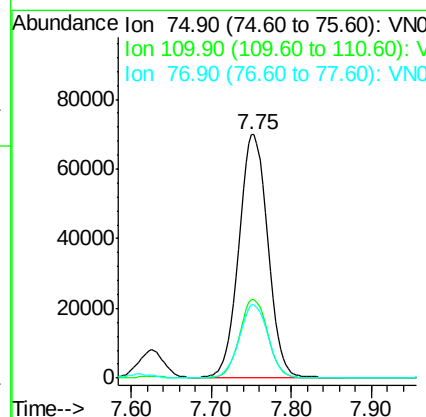
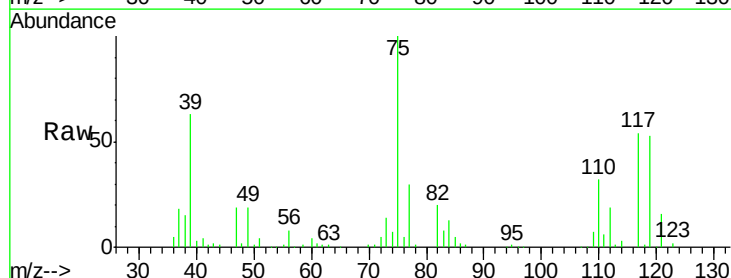
Manual Integrations
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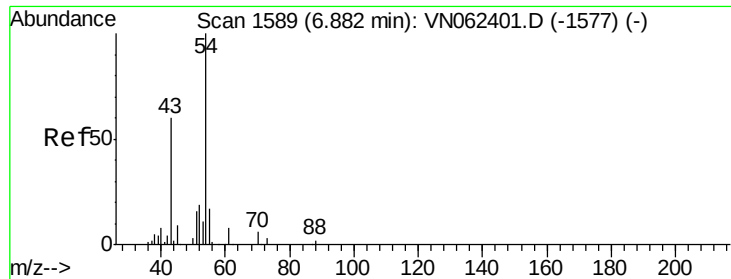
MMDadoda
 7/9/2020 10:58:39 AM



#36
 1,1-Dichloropropene
 Concen: 48.253 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	171659		
110	31.3	15.4	46.2	
77	30.0	24.1	36.1	





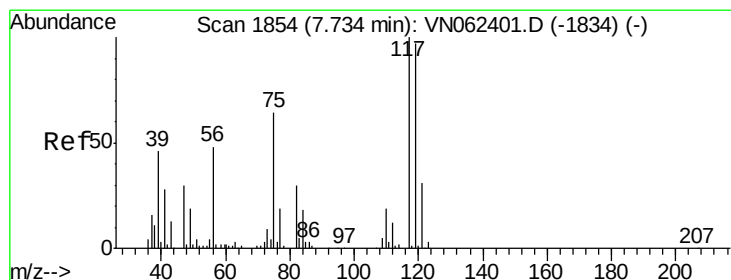
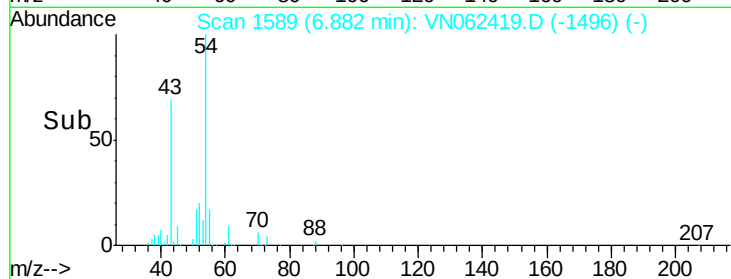
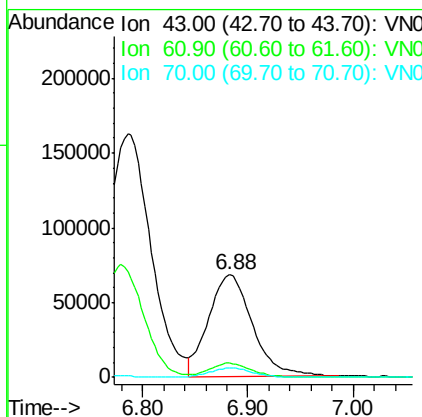
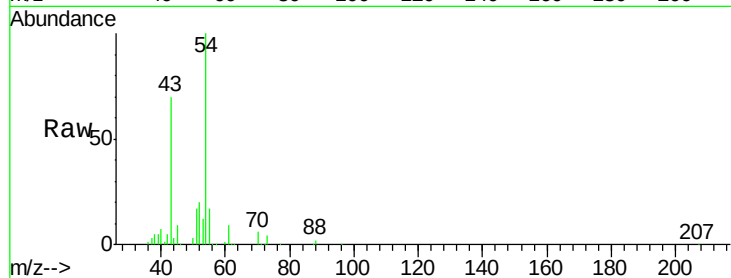
#37
Ethyl Acetate
Concen: 47.092 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	43	61	70	Ratio	Lower	Upper
195894	100	13.2	9.0		10.7	16.1
					7.2	10.8

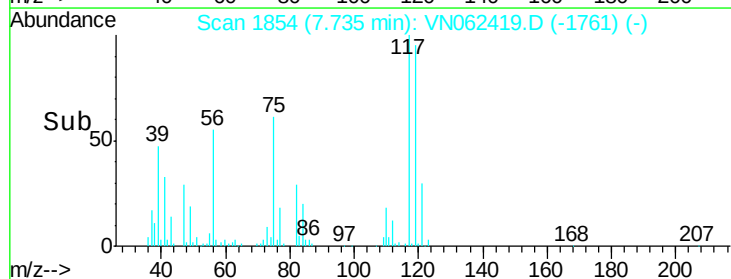
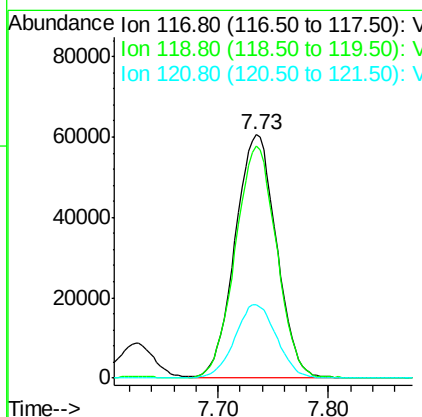
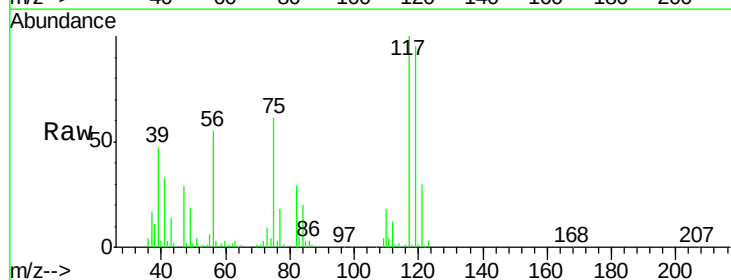
Manual Integrations
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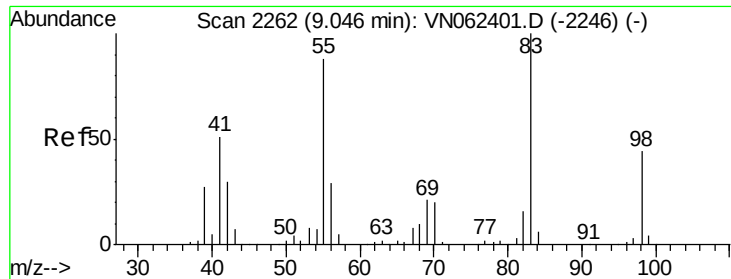
MMDadoda
7/9/2020 10:58:39 AM



#38
Carbon Tetrachloride
Concen: 48.950 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	117	119	121	Ratio	Lower	Upper
156557	100	95.1	30.0		77.2	115.8
					24.8	37.2





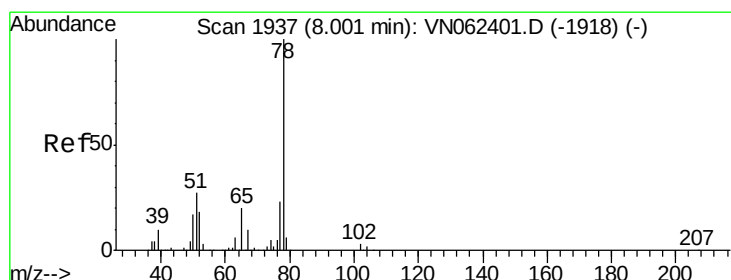
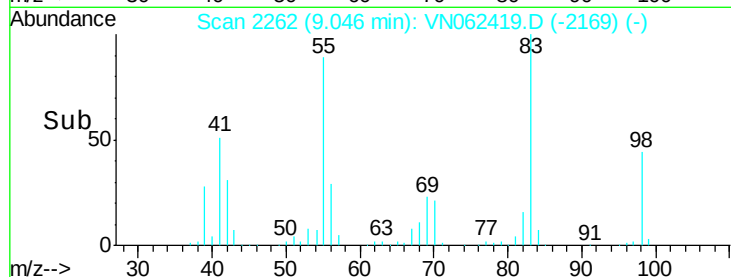
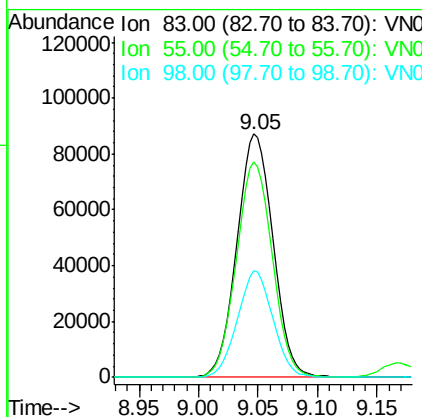
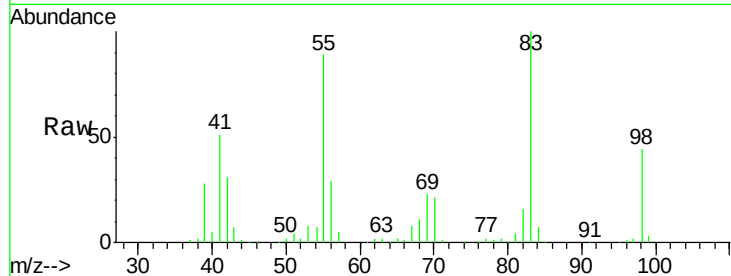
#39
Methylvlcyclohexane
Concen: 48.437 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.6	70.5	105.7
98	43.7	35.5	53.3

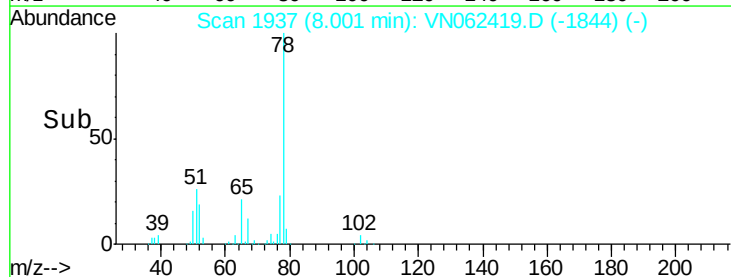
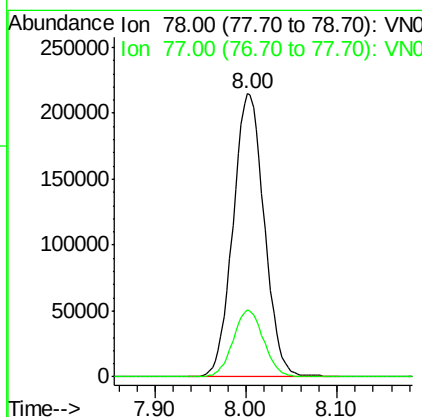
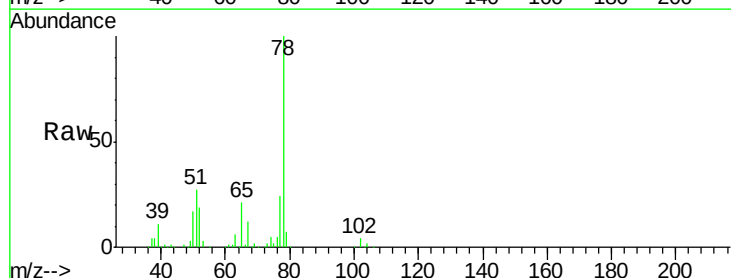
Manual Integrations
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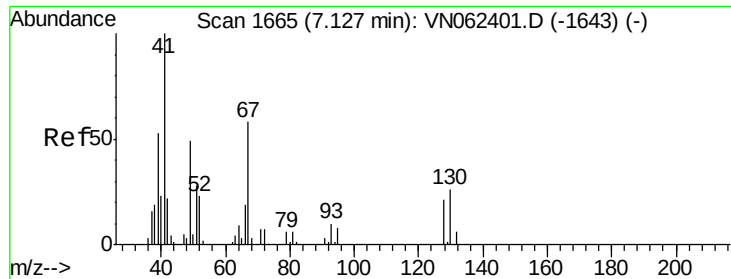
MMDadoda
7/9/2020 10:58:39 AM



#40
Benzene
Concen: 48.832 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





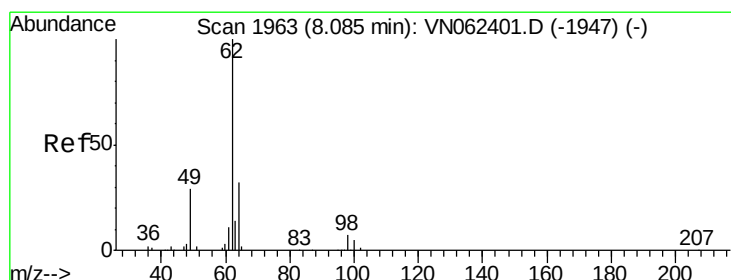
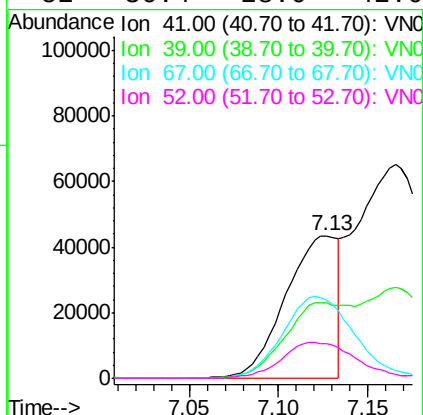
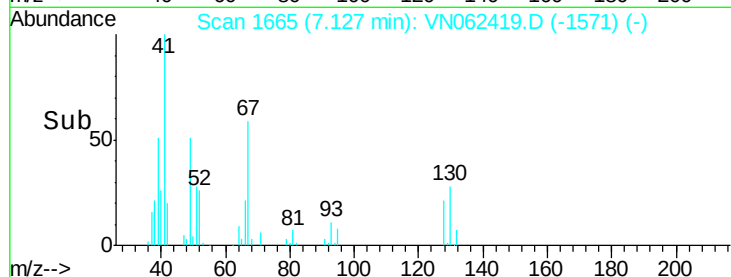
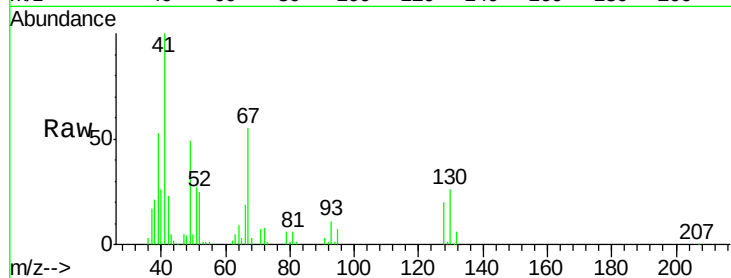
#41
Methacrylonitrile
Concen: 50.829 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	88341
Ion	Ratio	Lower	Upper
41	100		
39	63.2	50.2	75.2
67	79.5	64.2	96.2
52	36.4	28.0	42.0

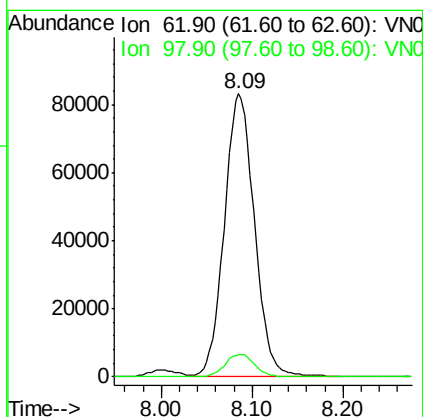
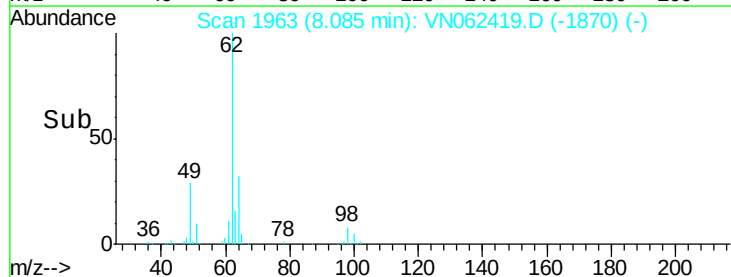
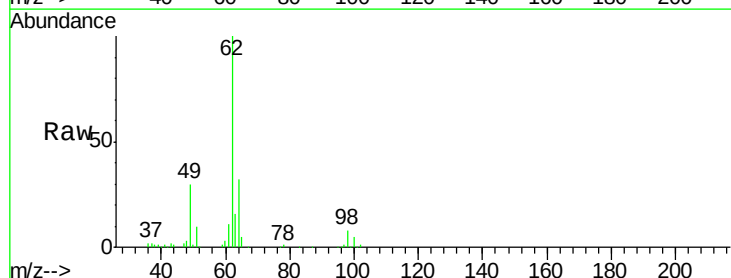
Manual Integrations
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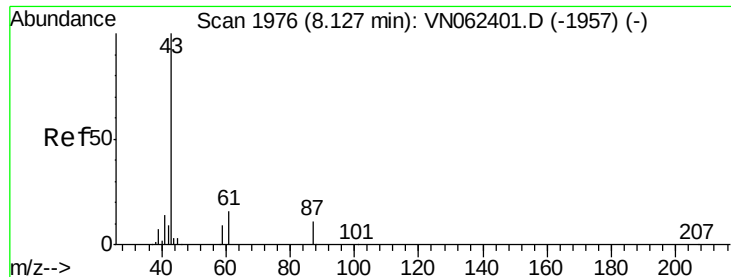
MMDadoda
7/9/2020 10:58:39 AM



#42
1,2-Dichloroethane
Concen: 49.586 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion:	62	Resp:	190364
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8





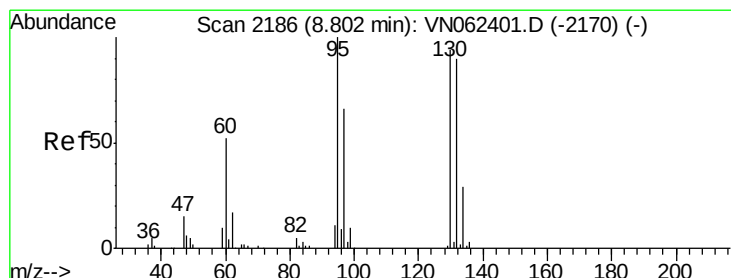
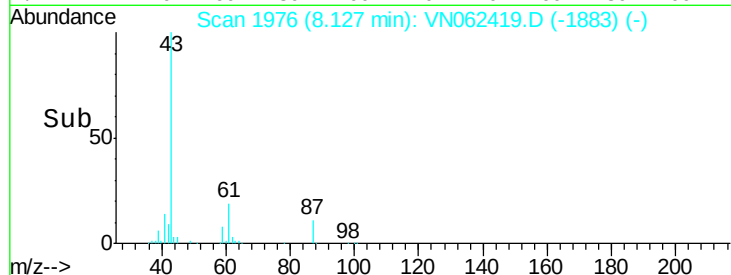
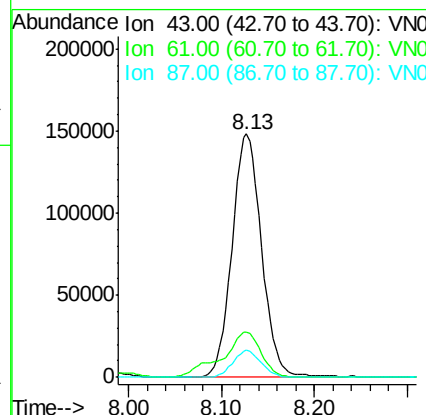
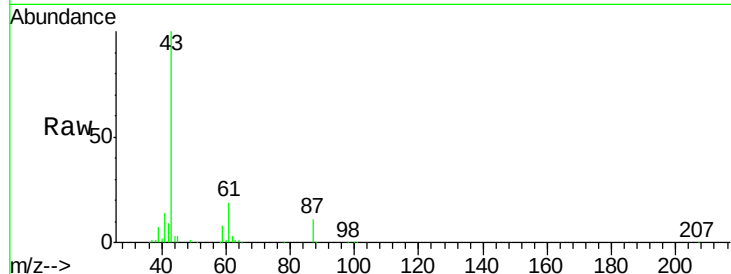
#43
Isopropyl Acetate
Concen: 49.509 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	325345
Ion Ratio	Lower	Upper	
43	100		
61	24.6	19.3	28.9
87	10.8	8.6	13.0

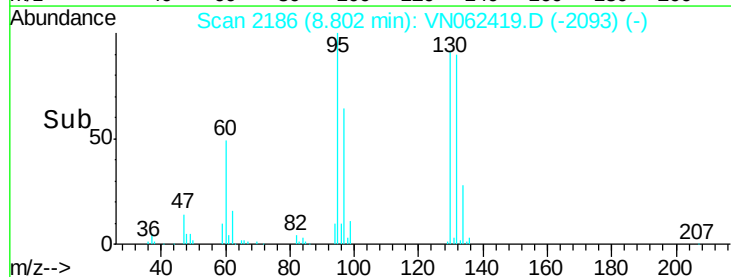
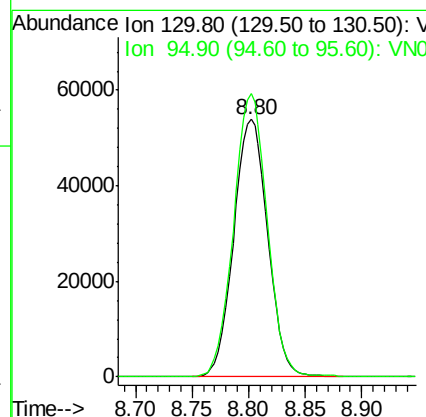
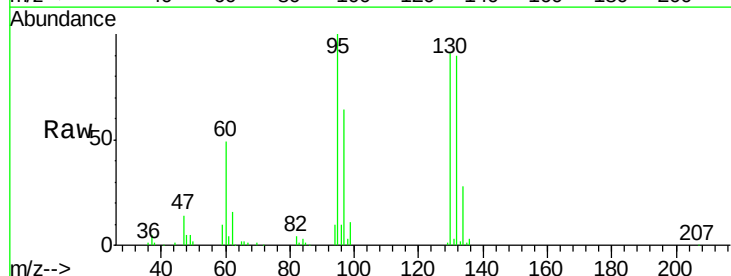
Manual Integrations
APPROVED

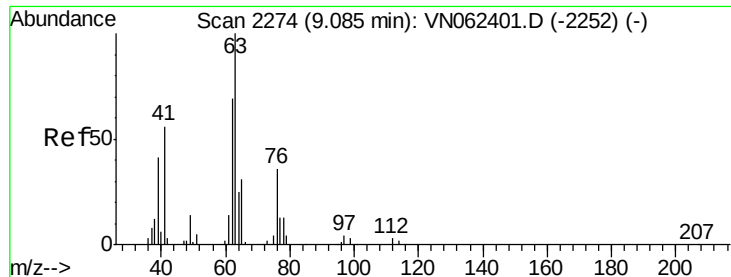
MMDadoda
7/9/2020 10:58:39 AM



#44
Trichloroethene
Concen: 48.576 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	130	Resp	113002
Ion Ratio	Lower	Upper	
130	100		
95	109.9	0.0	213.8





#45

1,2-Dichloropropane

Concen: 49.149 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 149595

Ion Ratio Lower Upper

63 100

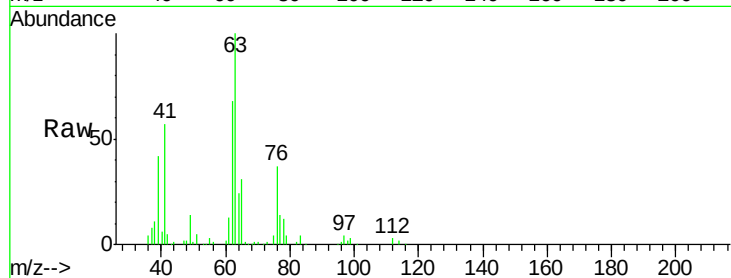
65 31.1 24.6 36.8

Manual Integrations

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MMDadoda

7/9/2020 10:58:39 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

80000

60000

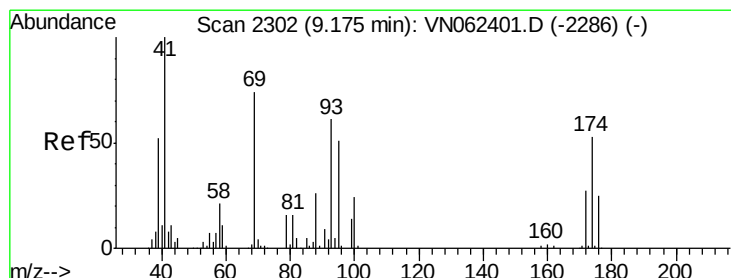
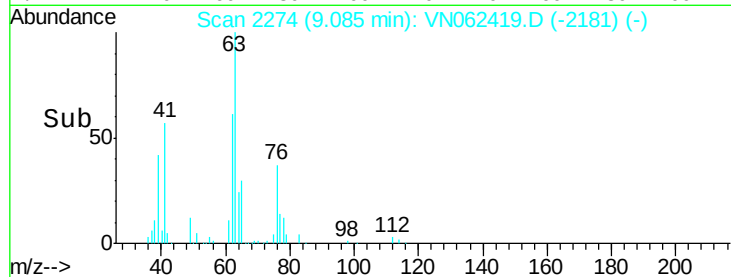
40000

20000

0

9.00 9.10

Time-->



#46

Dibromomethane

Concen: 48.939 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

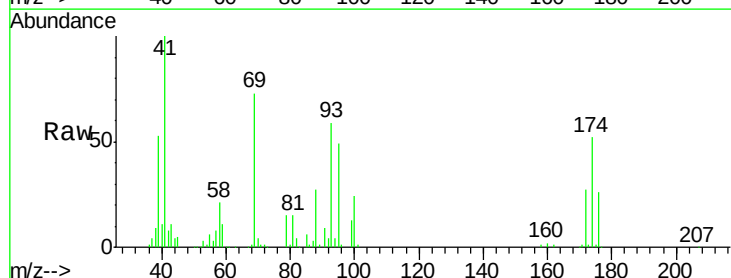
Tgt Ion: 93 Resp: 84058

Ion Ratio Lower Upper

93 100

95 82.2 67.1 100.7

174 88.3 70.4 105.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

50000

40000

30000

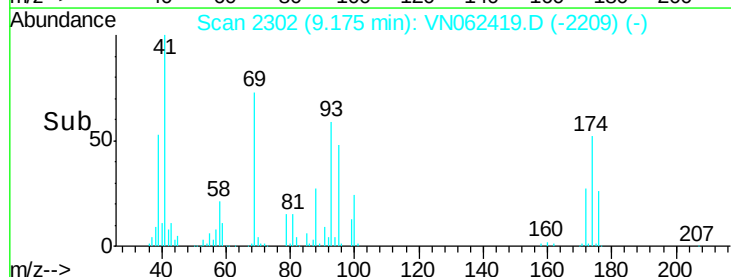
20000

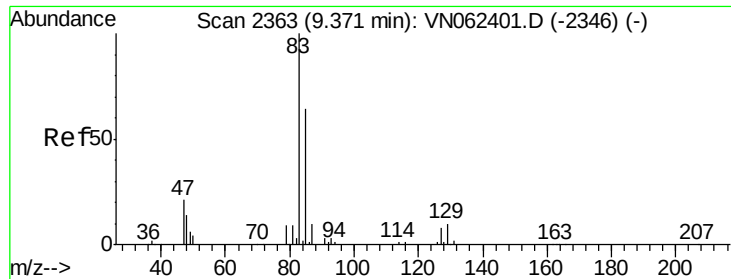
10000

0

9.10 9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 49.261 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

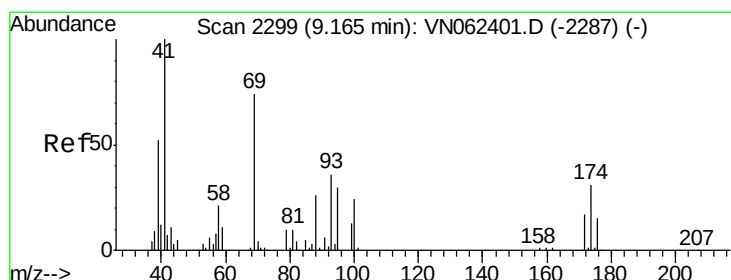
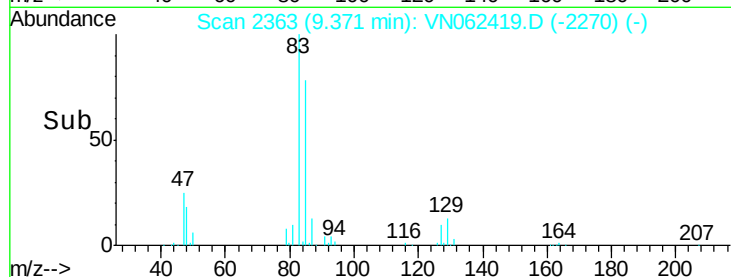
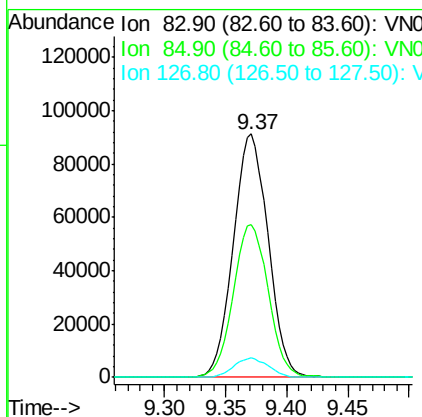
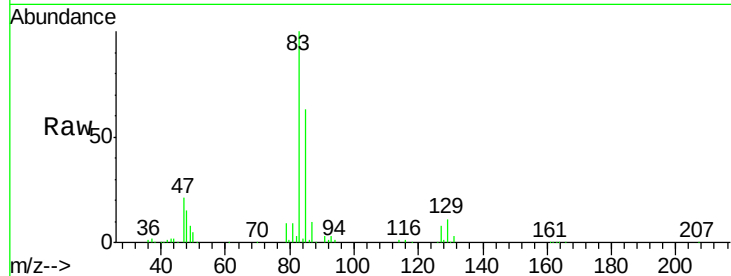
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	180896
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.2	76.8
127	7.9	6.2	9.2

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:58:39 AM



#48

Methyl methacrylate

Concen: 49.533 ug/l

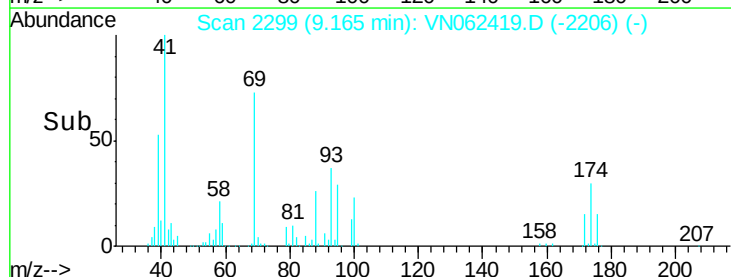
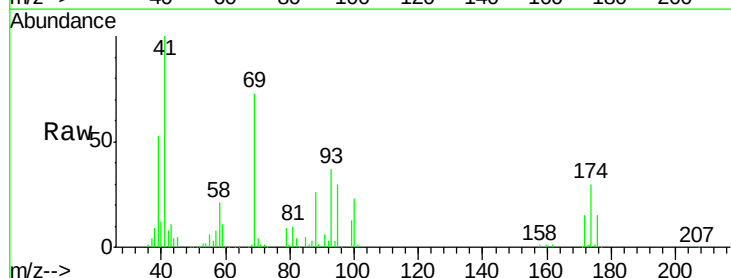
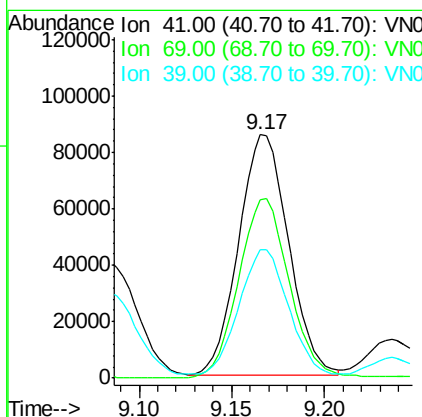
RT: 9.17 min Scan# 2299

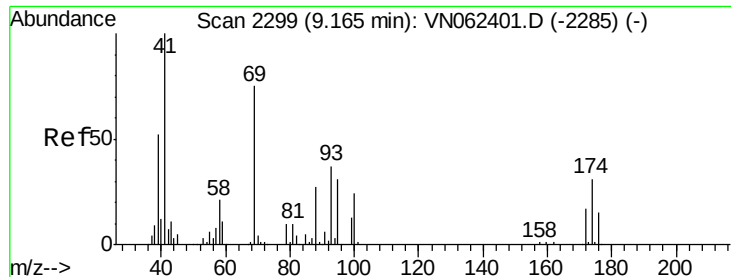
Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Tgt Ion:	41	Resp:	159669
Ion Ratio	Lower	Upper	
41	100		
69	75.9	60.8	91.2
39	53.9	43.5	65.3





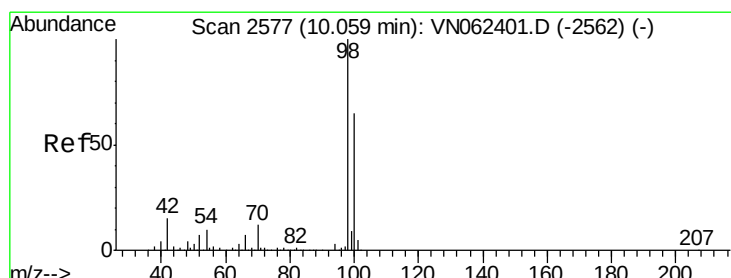
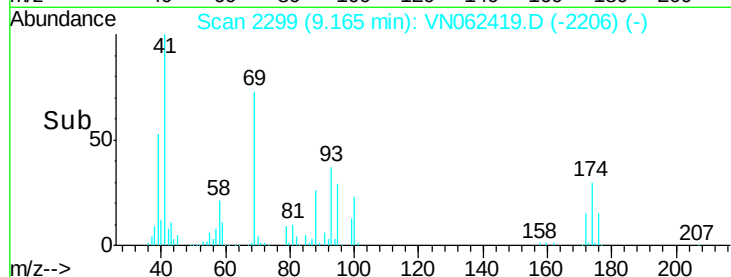
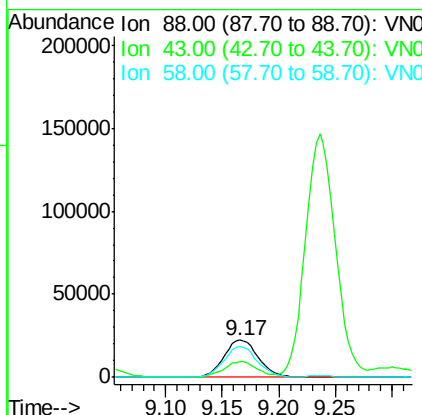
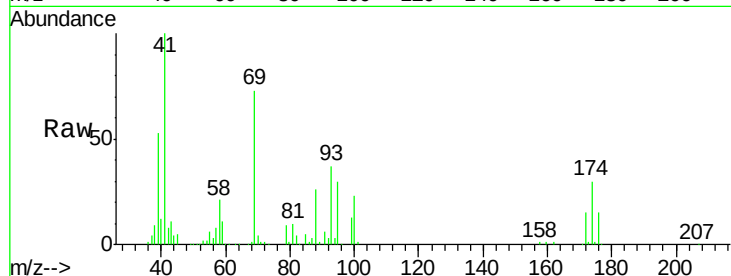
#49
1,4-Dioxane
Concen: 1028.816 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	31.0	46.4
58	79.6	63.3	94.9

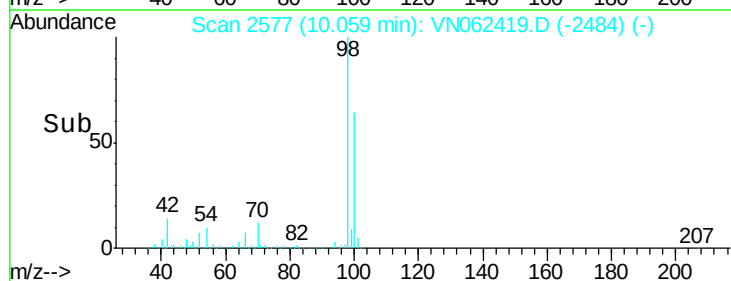
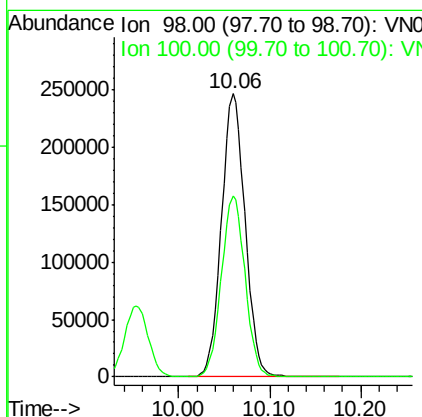
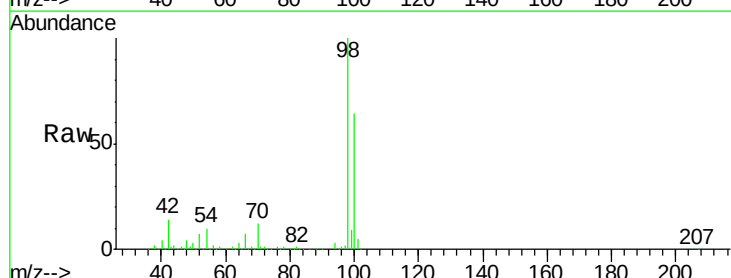
Manual Integrations
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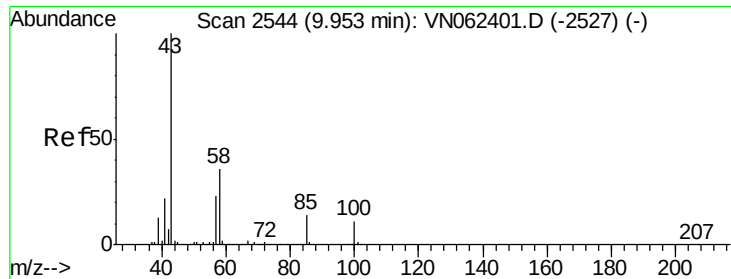
MMDadoda
7/9/2020 10:58:39 AM



#50
Toluene-d8
Concen: 51.695 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 252.280 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 990188

Ion Ratio Lower Upper

43 100

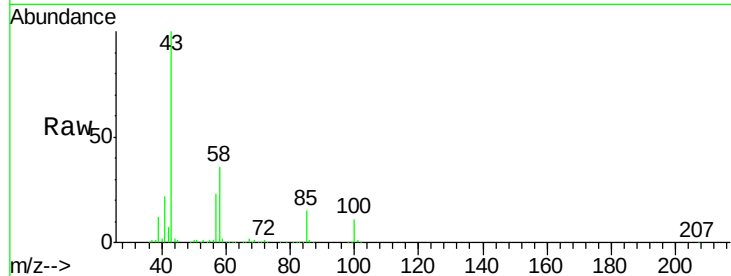
58 36.3 29.0 43.6

Manual Integrations

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MMDadoda

7/9/2020 10:58:39 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062419.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN062419.D (-2527) (-)

9.95

600000

500000

400000

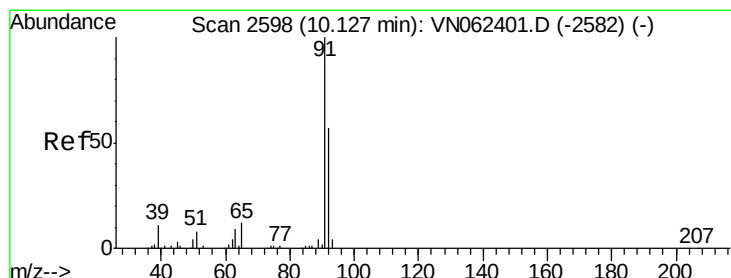
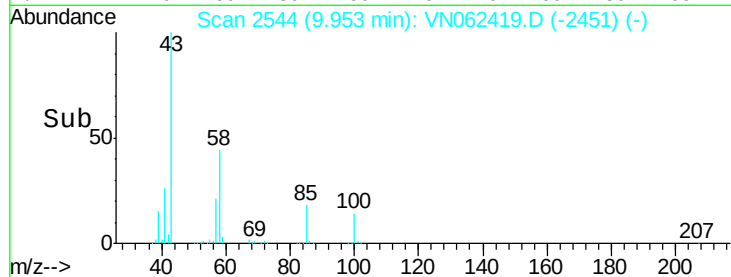
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.798 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062419.D

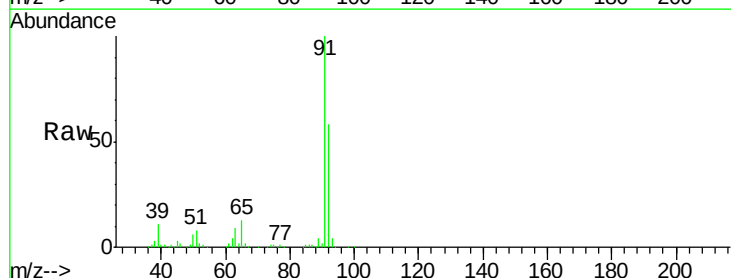
Acq: 8 Jul 2020 20:15

Tgt Ion: 92 Resp: 301584

Ion Ratio Lower Upper

92 100

91 174.4 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN062419.D (-2598) (-)

Ion 91.00 (90.70 to 91.70): VN062419.D (-2598) (-)

10.12

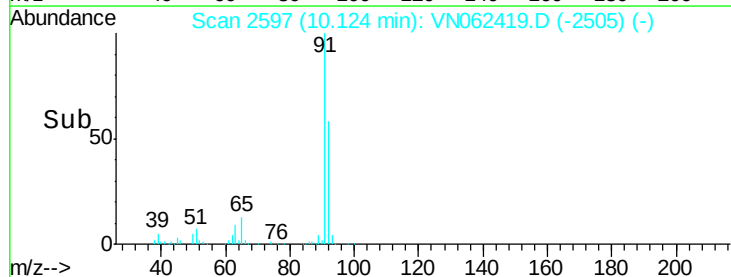
300000

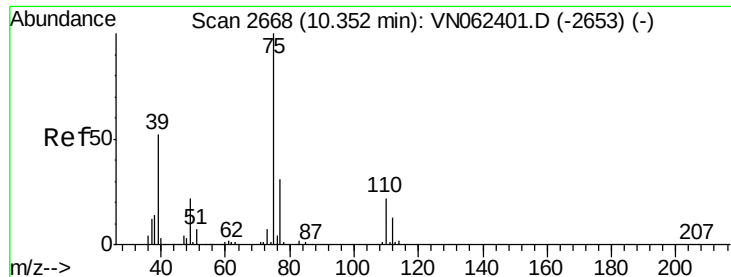
200000

100000

0

Time-->





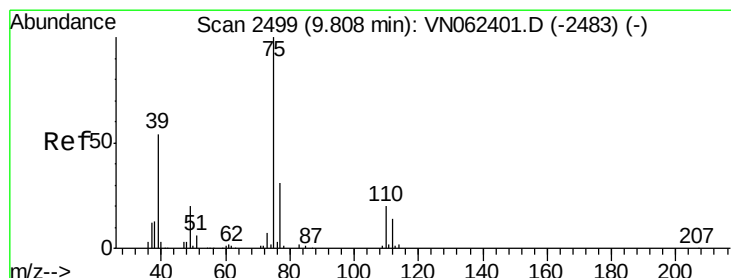
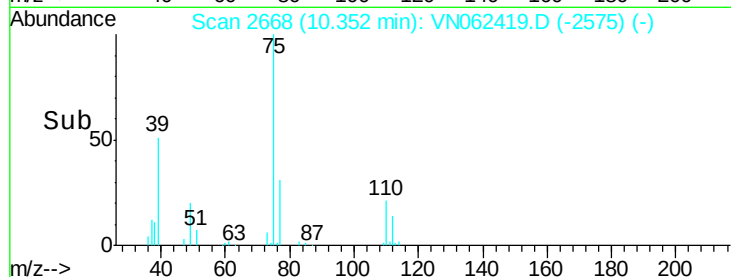
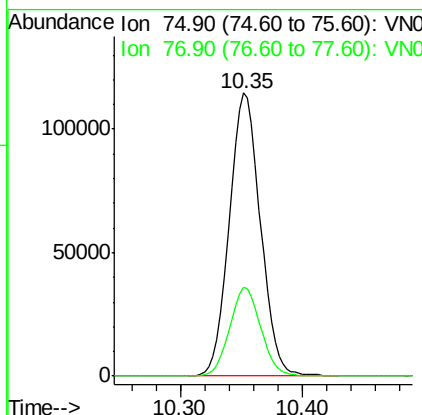
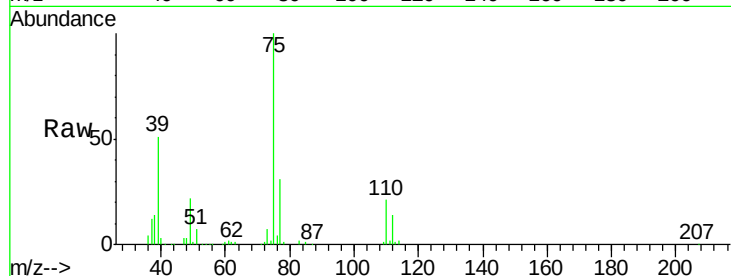
#53
t-1,3-Dichloropropene
Concen: 49.633 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8

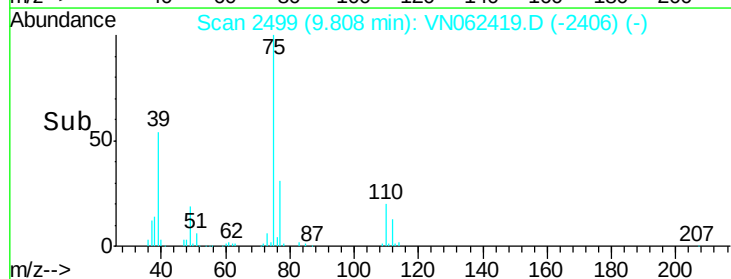
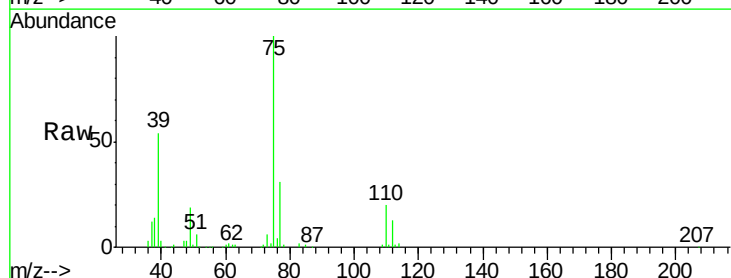
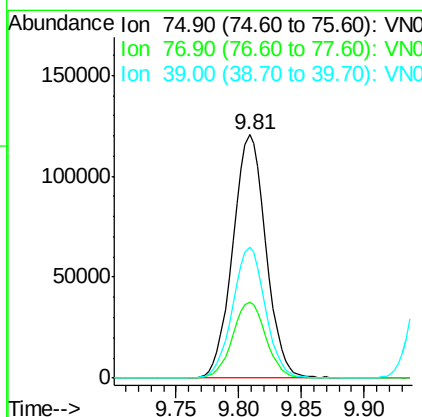
Manual Integrations
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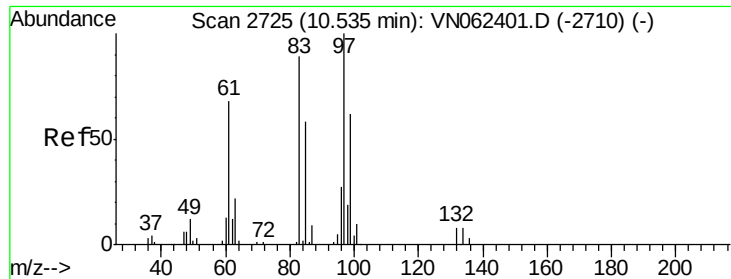
MMDadoda
7/9/2020 10:58:39 AM



#54
cis-1,3-Dichloropropene
Concen: 48.881 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.5	36.7
39	53.6	43.4	65.0





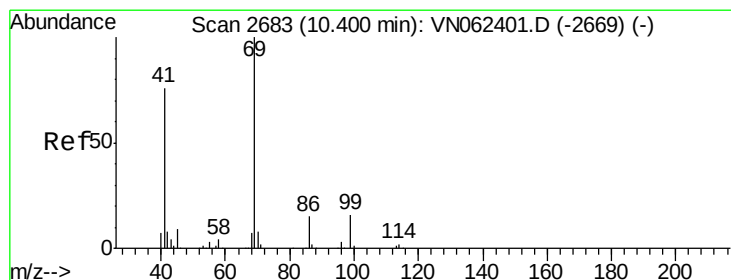
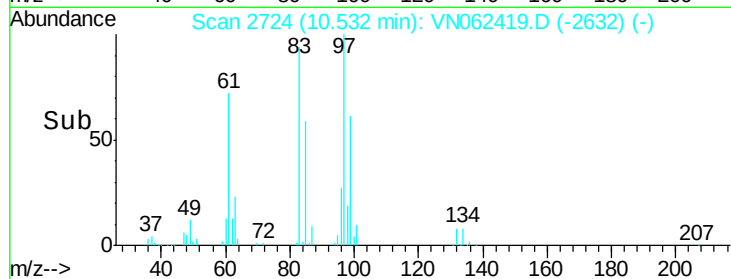
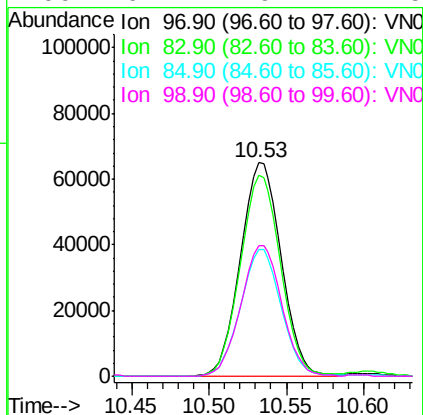
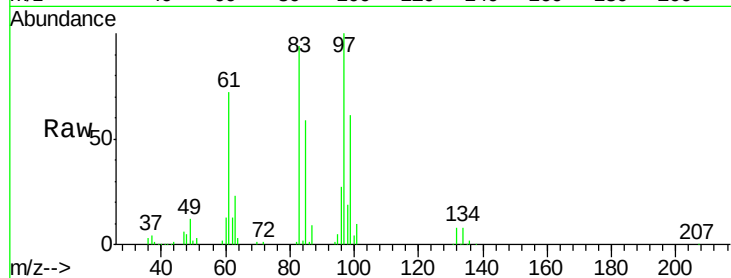
#55
 1,1,2-Trichloroethane
 Concen: 50.103 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion:	97	Resp:	119341
Ion	Ratio	Lower	Upper
97	100		
83	94.2	71.0	106.4
85	59.1	46.2	69.4
99	61.2	49.7	74.5

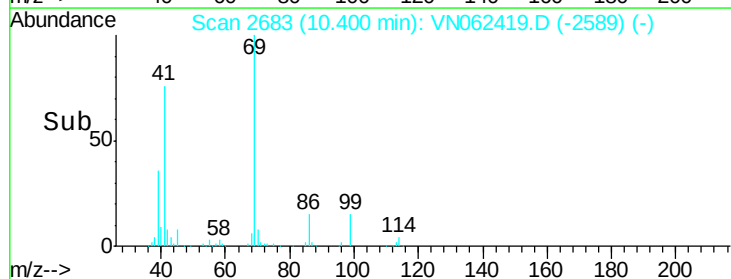
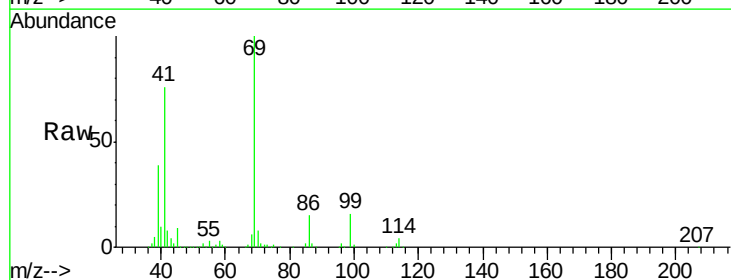
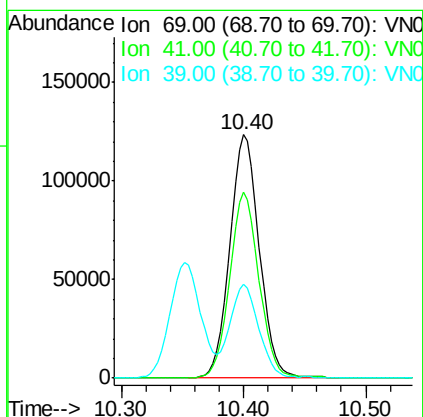
Manual Integrations
 APPROVED

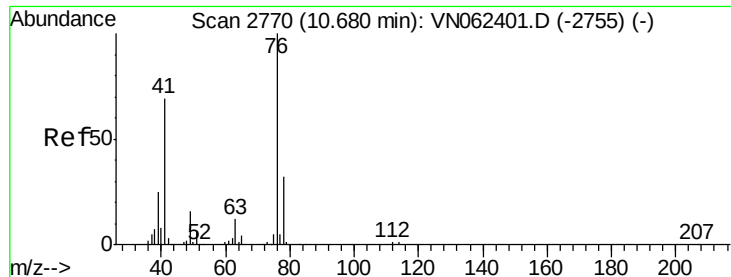
MMDadoda
 7/9/2020 10:58:39 AM



#56
 Ethyl methacrylate
 Concen: 47.534 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Tgt Ion:	69	Resp:	207984
Ion	Ratio	Lower	Upper
69	100		
41	75.2	59.7	89.5
39	37.2	30.6	45.8





#57

1,3-Dichloropropane

Concen: 49.926 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 219701

Ion Ratio Lower Upper

76 100

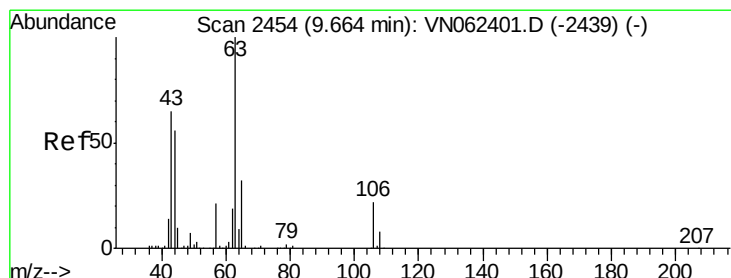
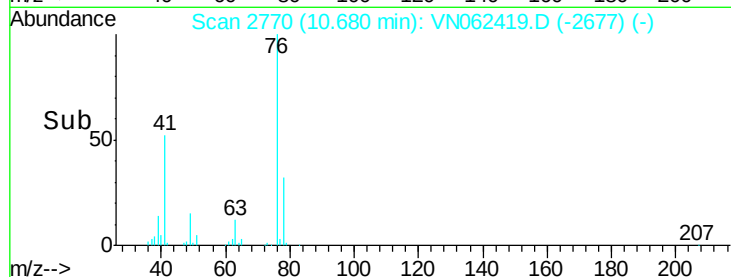
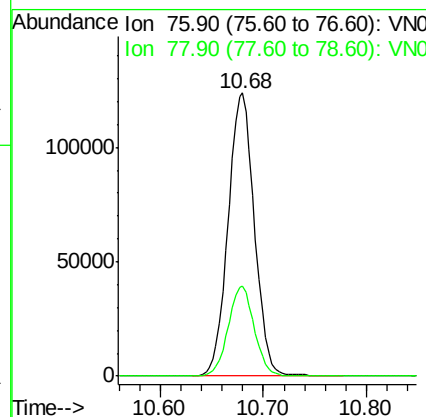
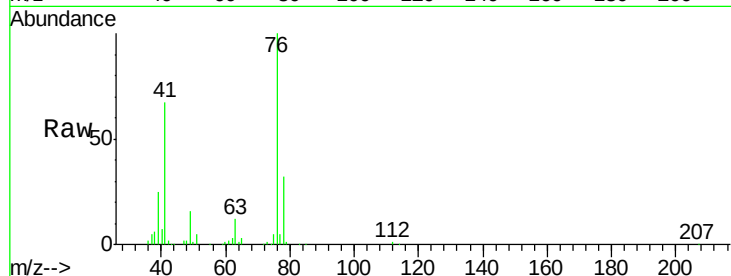
78 31.5 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

7/9/2020 10:58:39 AM



#58

2-Chloroethyl Vinyl ether

Concen: 250.956 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062419.D

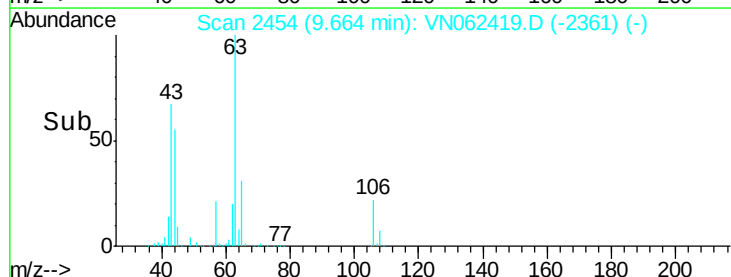
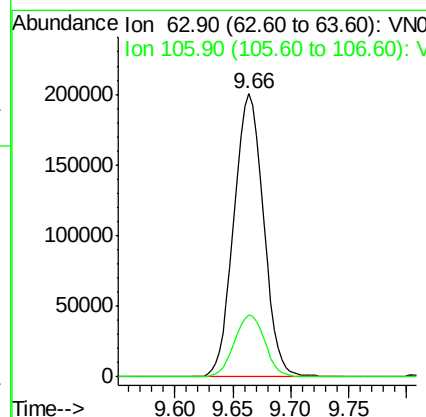
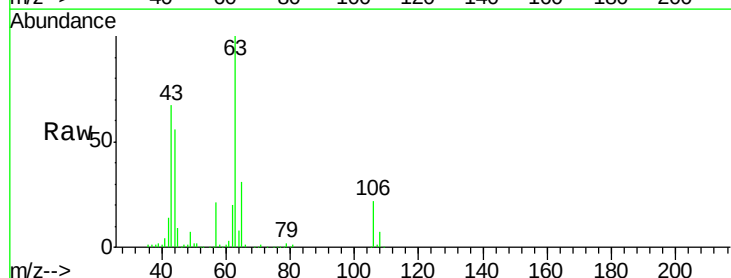
Acq: 8 Jul 2020 20:15

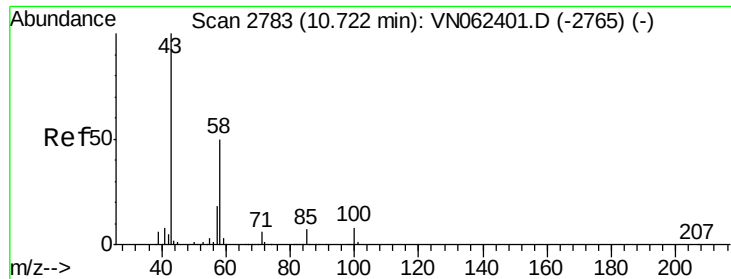
Tgt Ion: 63 Resp: 354624

Ion Ratio Lower Upper

63 100

106 22.3 17.6 26.4





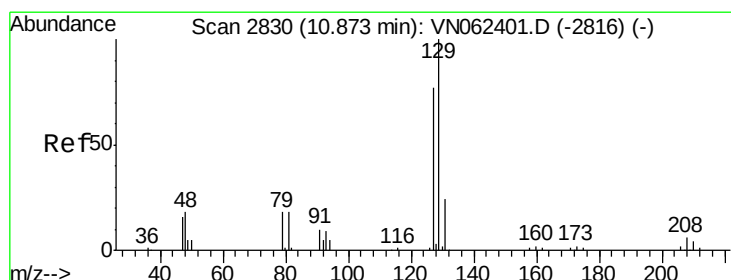
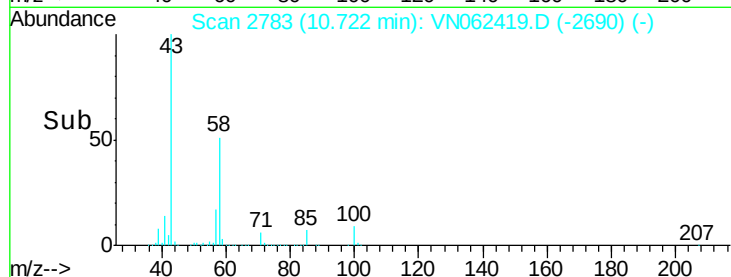
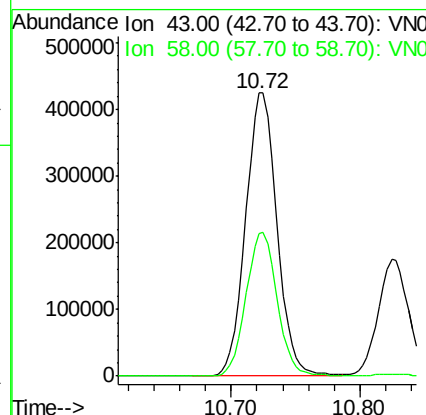
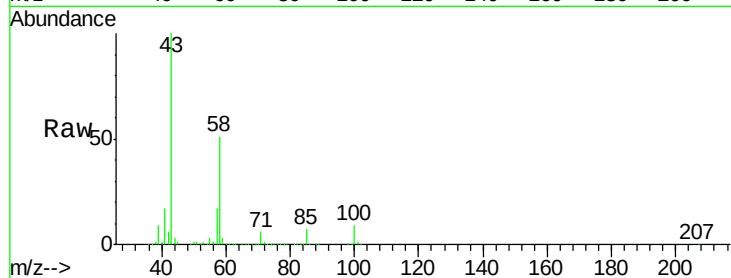
#59
2-Hexanone
Concen: 252.142 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 718456
Ion Ratio Lower Upper
43 100
58 50.7 25.1 75.2

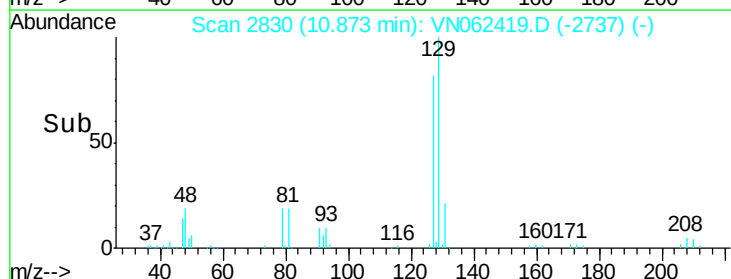
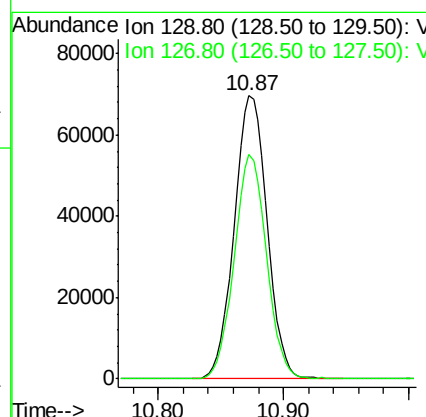
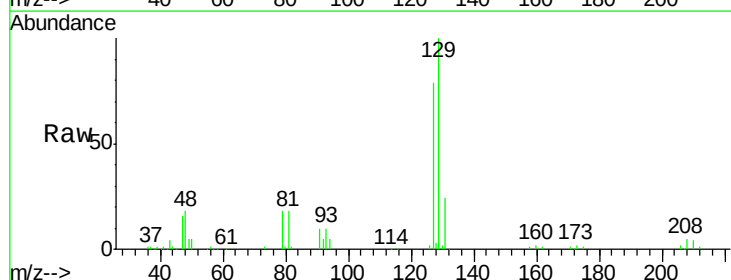
Manual Integrations
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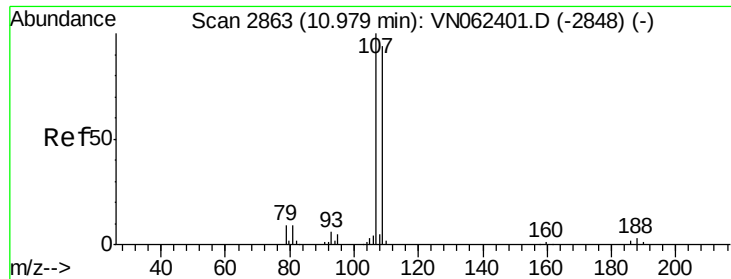
MMDadoda
7/9/2020 10:58:39 AM



#60
Dibromochloromethane
Concen: 49.124 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion: 129 Resp: 126870
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





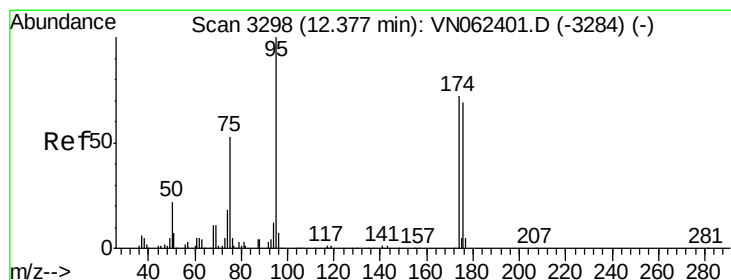
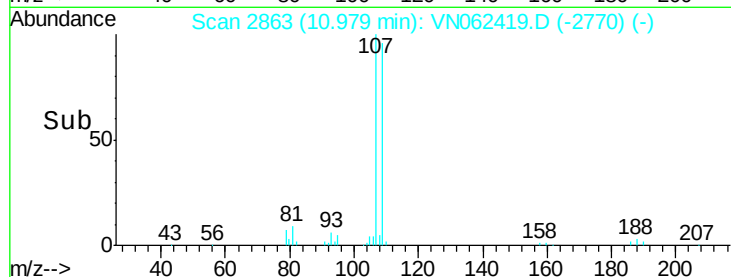
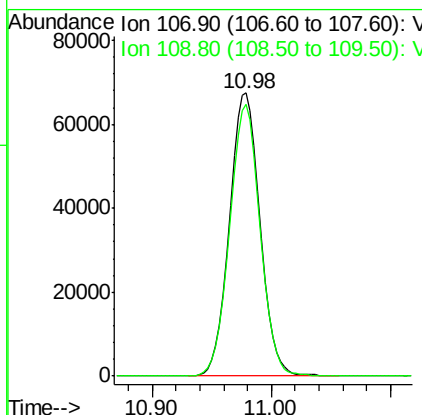
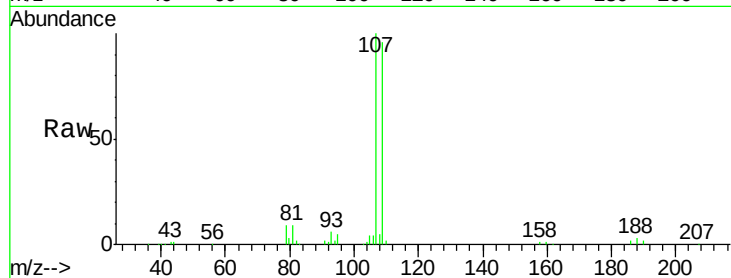
#61
 1,2-Dibromoethane
 Concen: 49.855 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.6	113.4

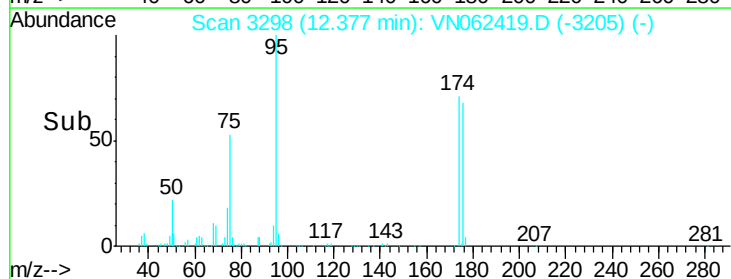
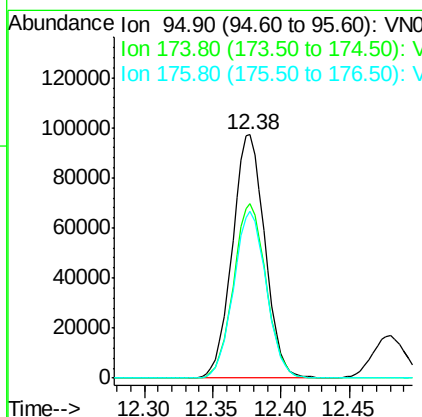
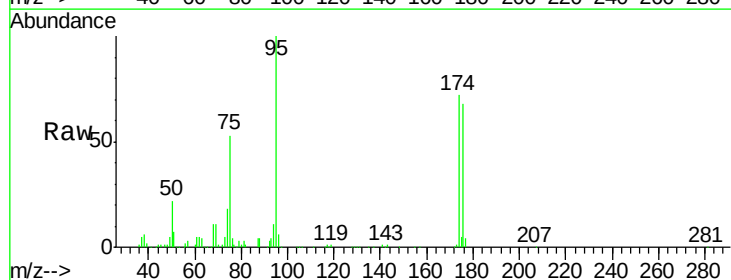
Manual Integrations
 APPROVED

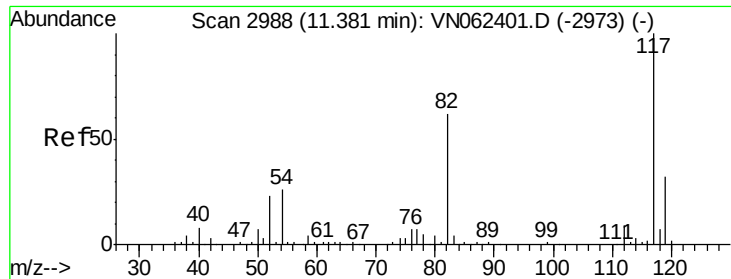
MMDadoda
 7/9/2020 10:58:39 AM



#62
 4-Bromofluorobenzene
 Concen: 51.217 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	141.6
176	68.7	0.0	137.2





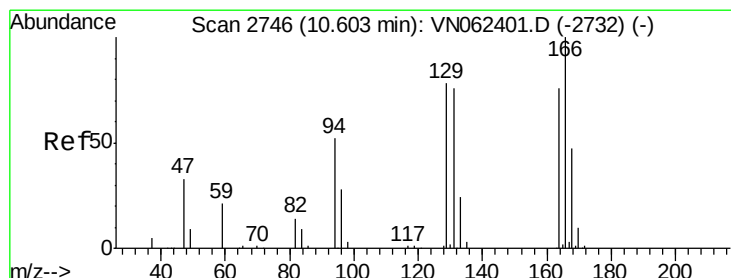
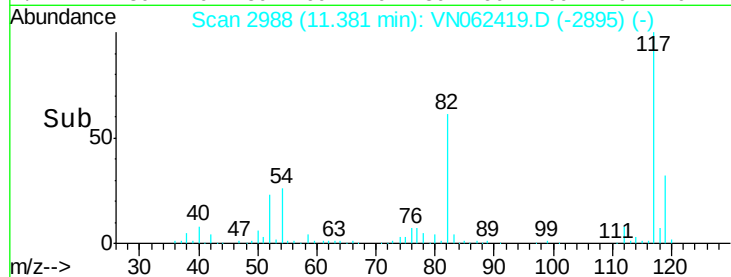
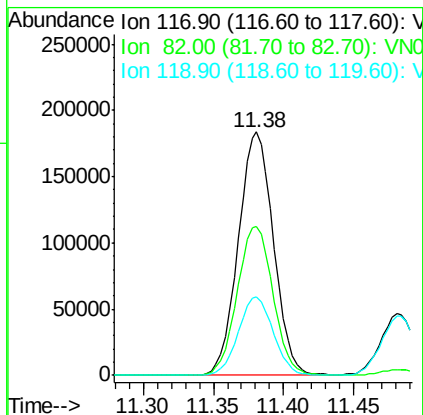
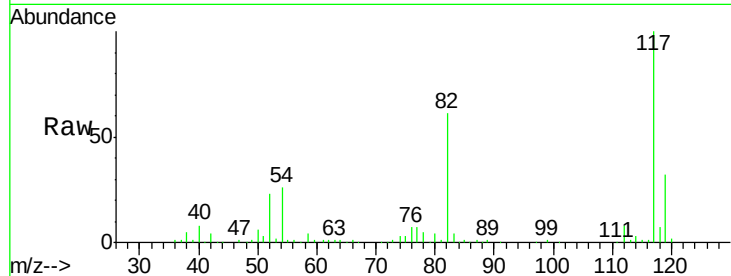
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.6	74.4
119	32.1	25.4	38.0

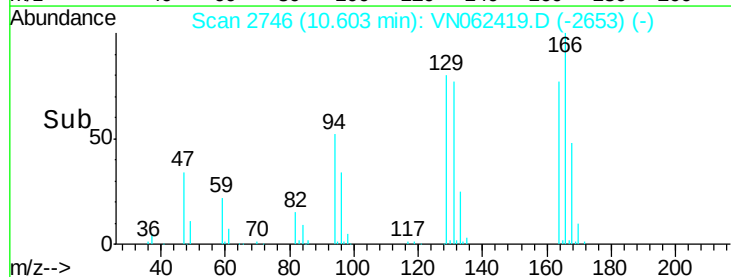
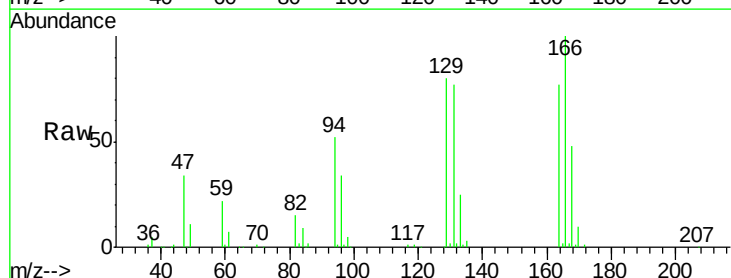
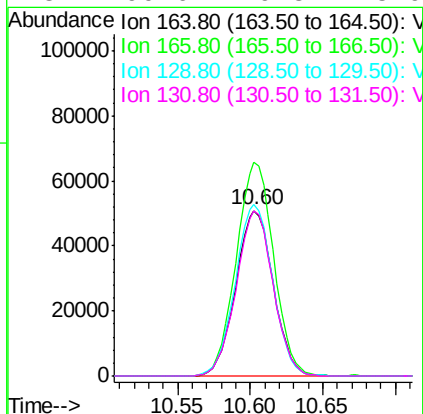
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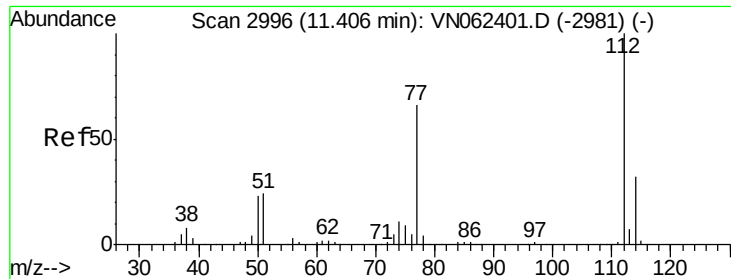
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#64
Tetrachloroethene
Concen: 47.955 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	104.9	157.3
129	103.5	81.8	122.6
131	99.6	79.3	118.9





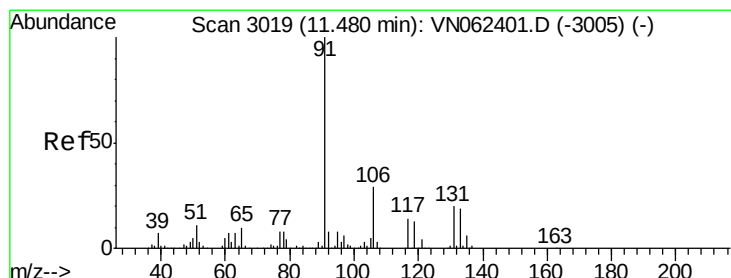
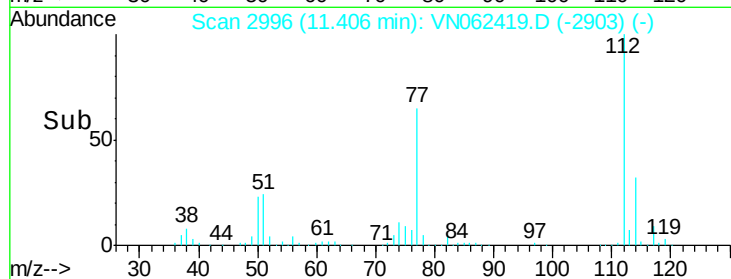
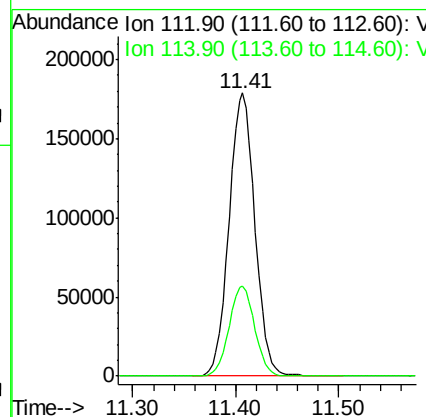
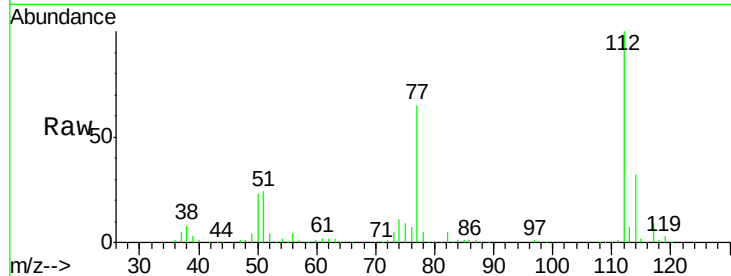
#65
Chlorobenzene
Concen: 49.887 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 311572
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

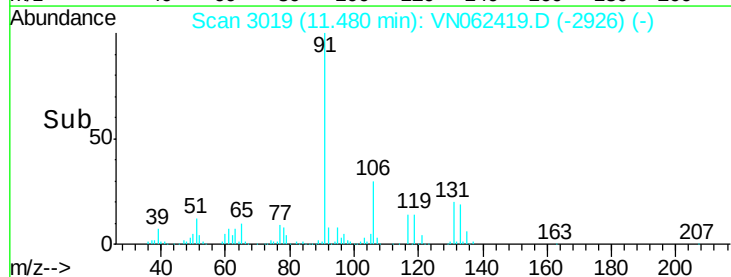
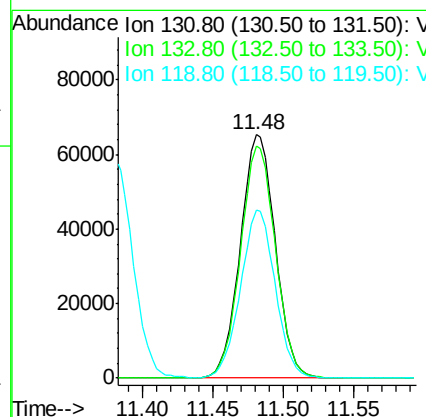
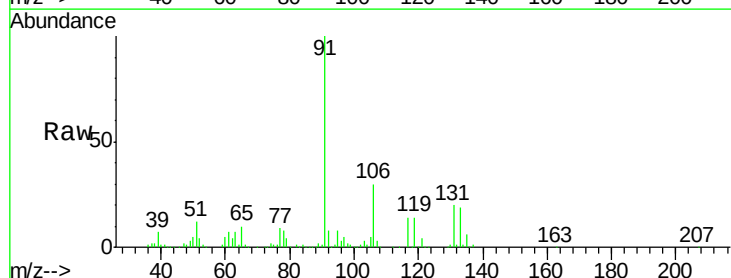
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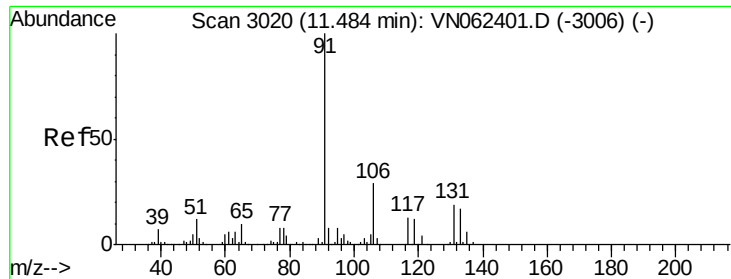
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.317 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion:131 Resp: 113586
Ion Ratio Lower Upper
131 100
133 95.5 46.9 140.8
119 68.6 33.2 99.6





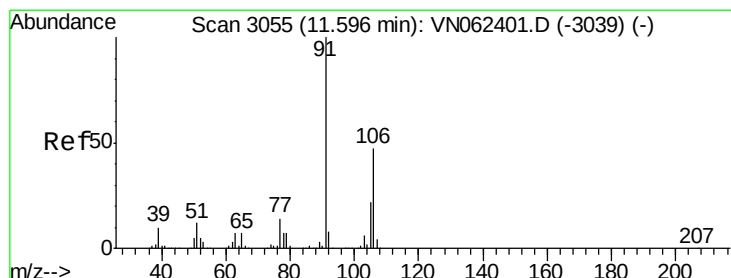
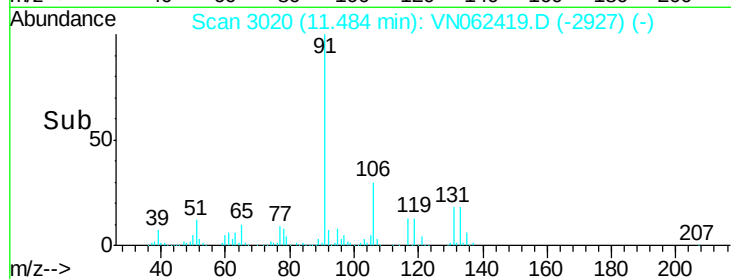
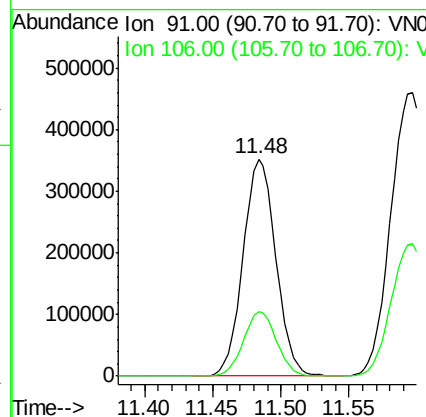
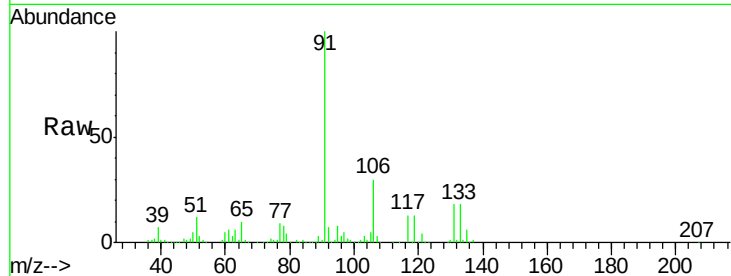
#67
Ethyl Benzene
Concen: 50.073 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 587032
Ion Ratio Lower Upper
91 100
106 29.8 23.4 35.2

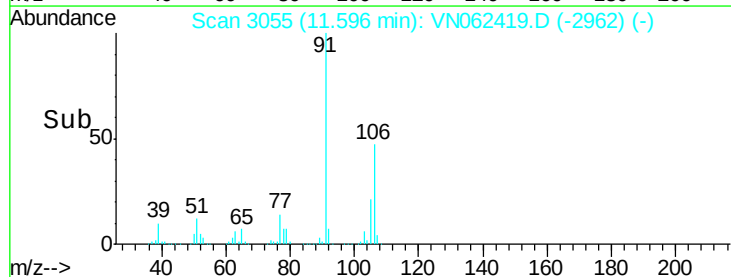
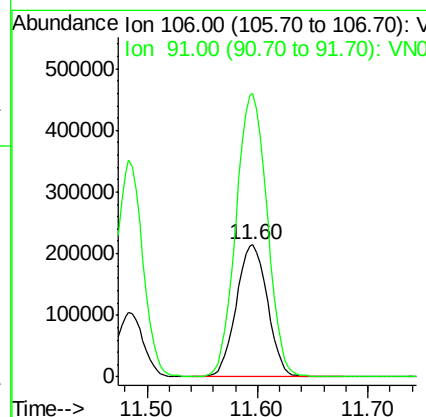
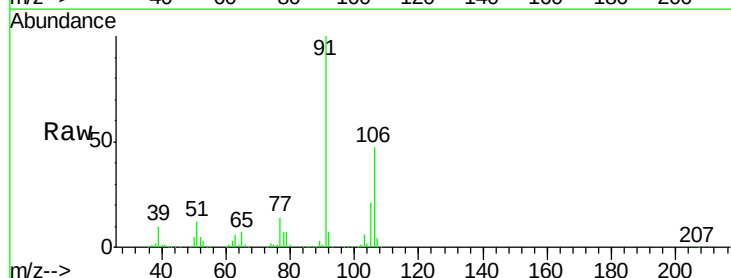
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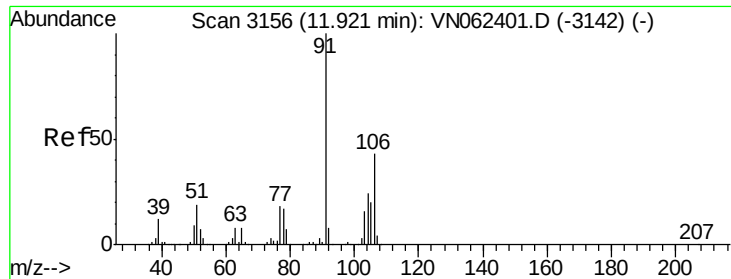
MMDadoda
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#68
m/p-Xylenes
Concen: 101.065 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion: 106 Resp: 419437
Ion Ratio Lower Upper
106 100
91 214.6 172.4 258.6





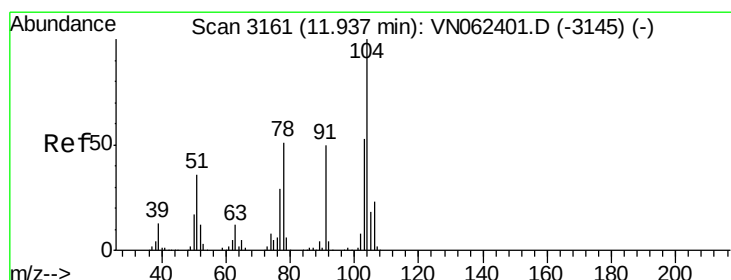
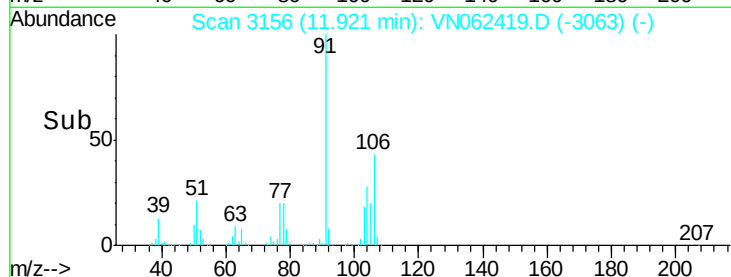
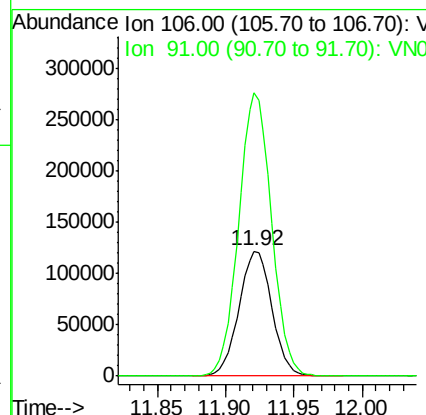
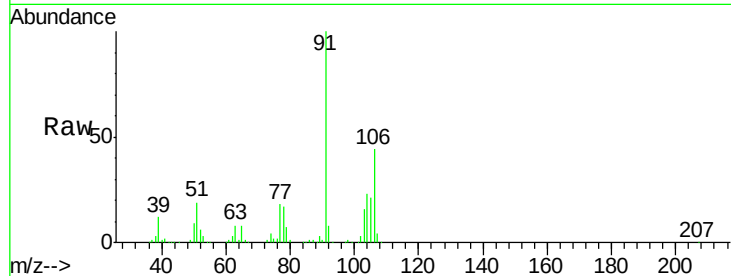
#69
o-Xylene
Concen: 50.326 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	226.0	113.8	341.4

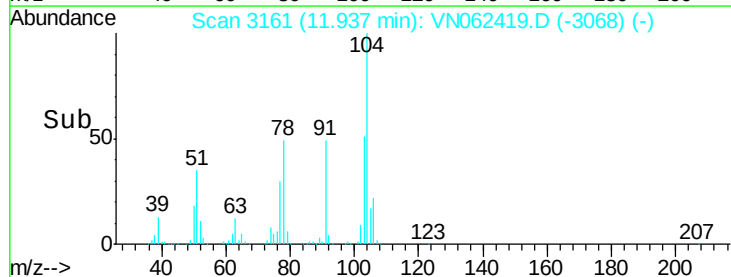
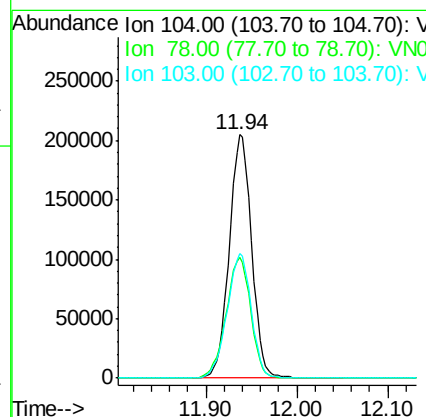
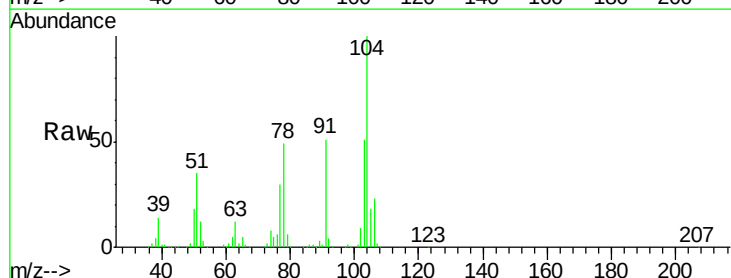
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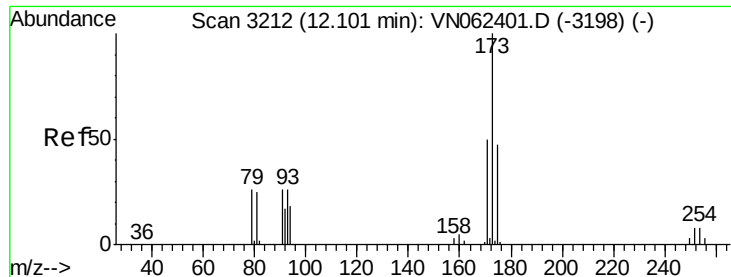
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#70
Styrene
Concen: 52.569 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.4	44.2	66.4
103	55.0	44.4	66.6





#71

Bromoform

Concen: 51.612 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 87141

Ion Ratio Lower Upper

173 100

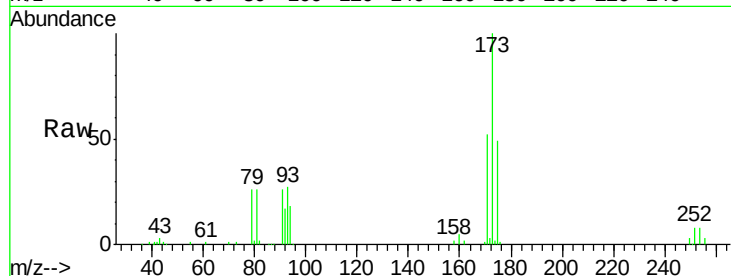
175 48.5 23.7 71.1

254 0.0 0.0 0.0

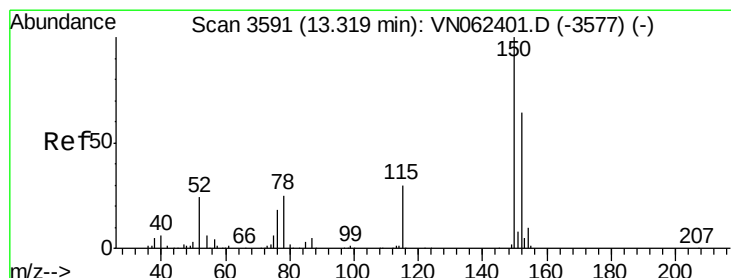
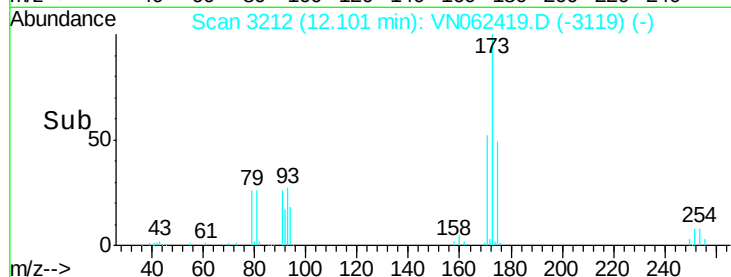
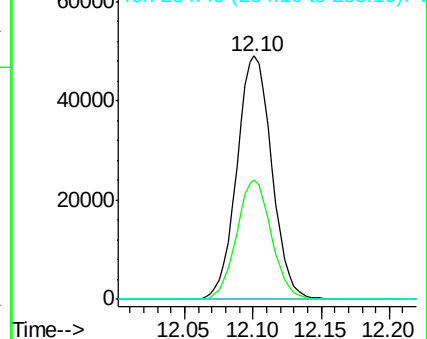
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

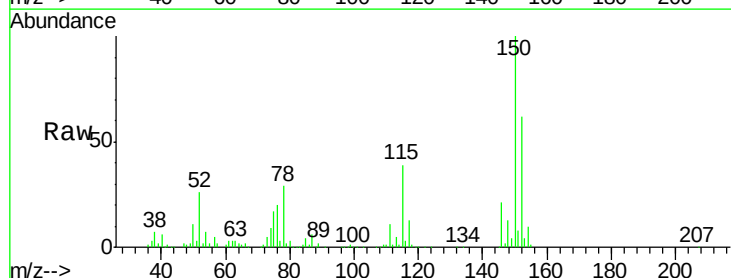
Tgt Ion:152 Resp: 149515

Ion Ratio Lower Upper

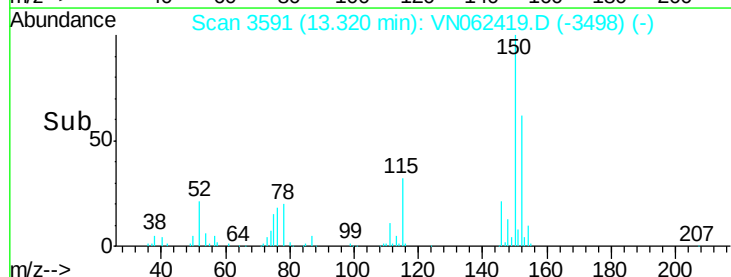
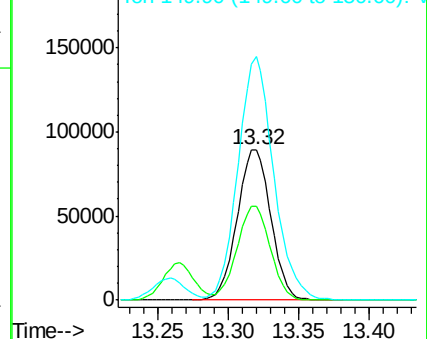
152 100

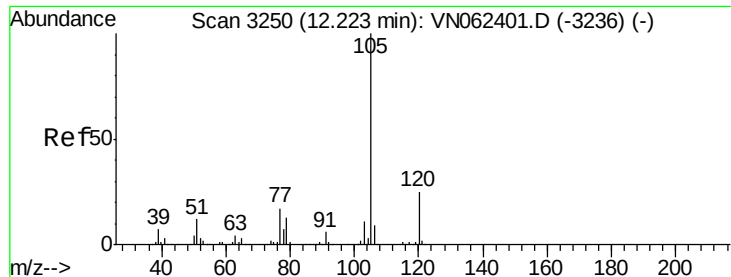
115 62.3 31.4 94.2

150 171.7 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.639 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 551176

Ion Ratio Lower Upper

105 100

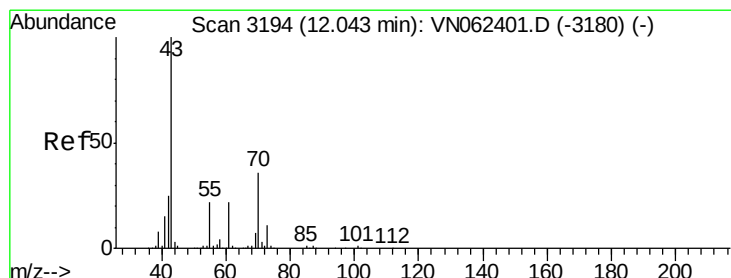
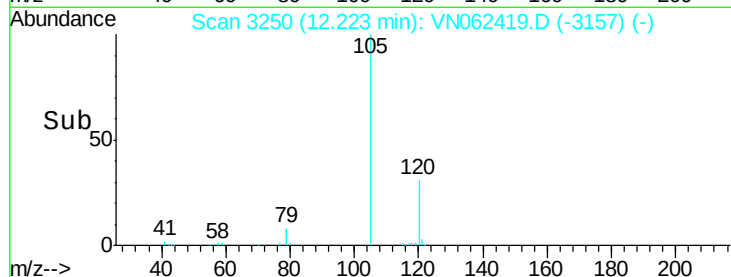
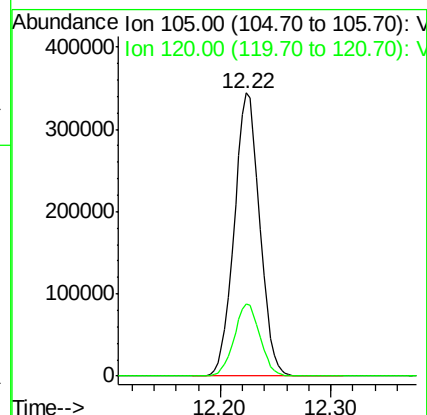
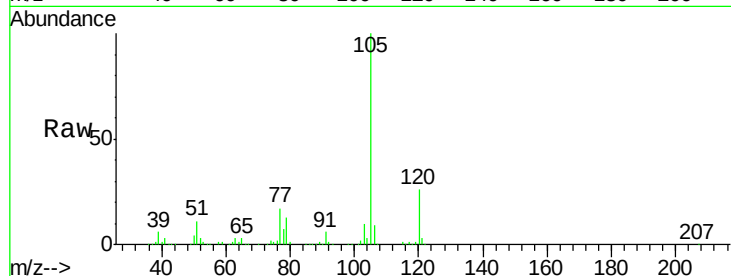
120 25.8 12.7 38.1

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#74

N-ethyl acetate

Concen: 50.597 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Tgt Ion: 43 Resp: 284929

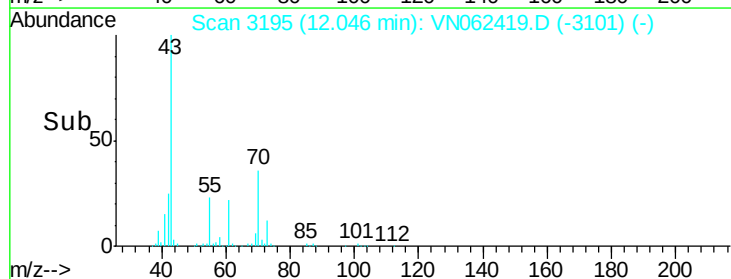
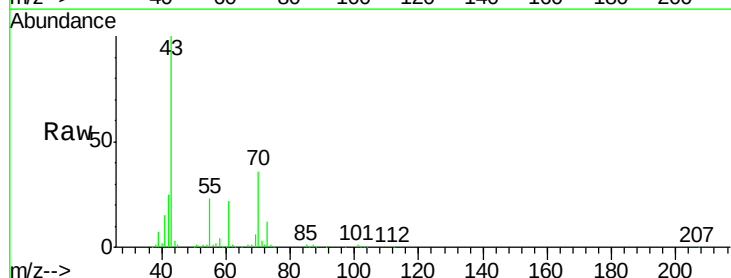
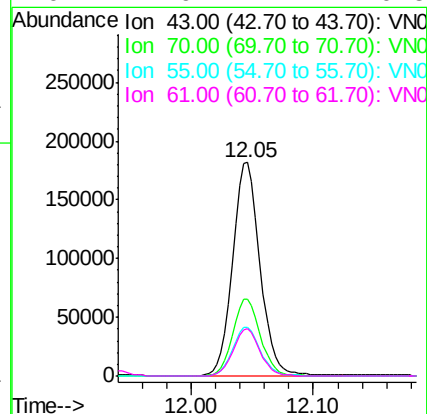
Ion Ratio Lower Upper

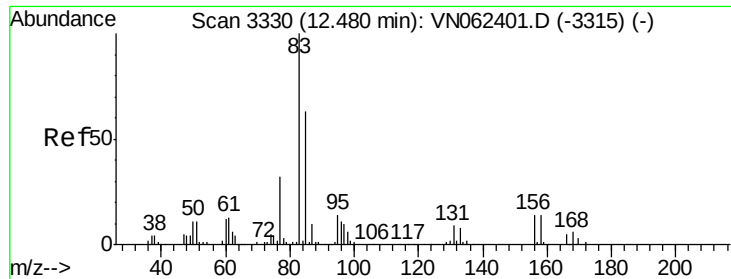
43 100

70 36.6 30.0 45.0

55 23.1 18.2 27.4

61 21.9 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.465 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

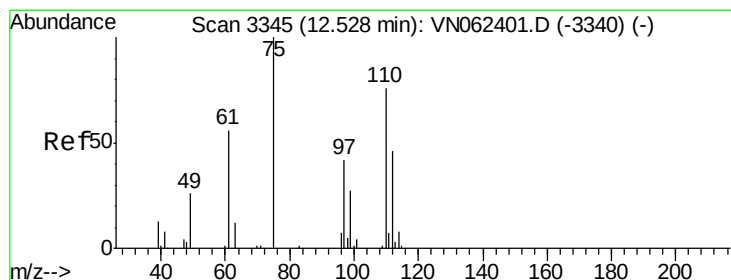
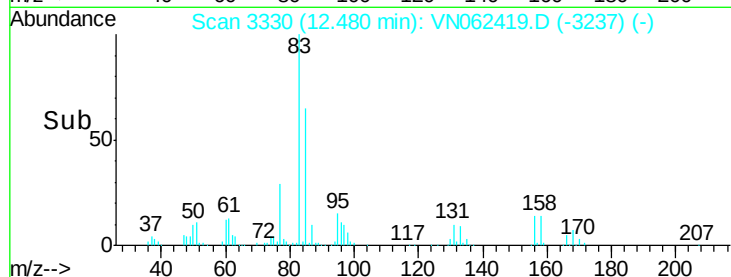
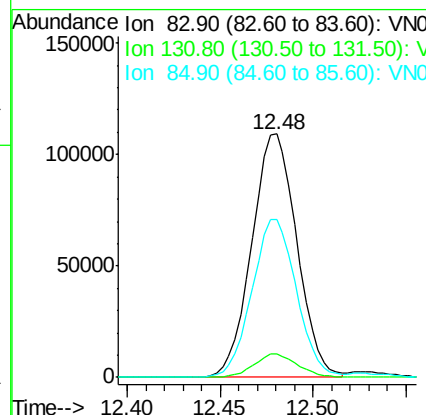
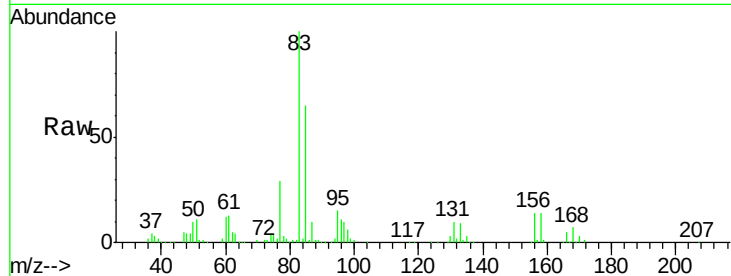
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	184647
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.5	13.5
85	64.0	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 43.881 ug/l m

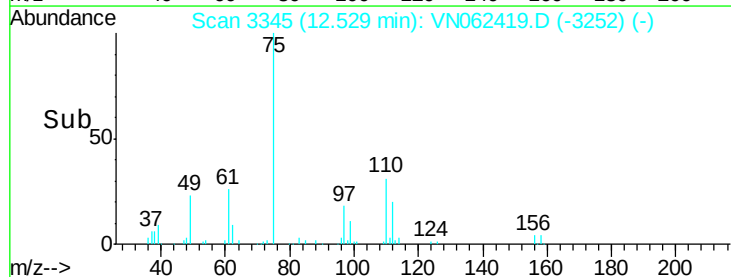
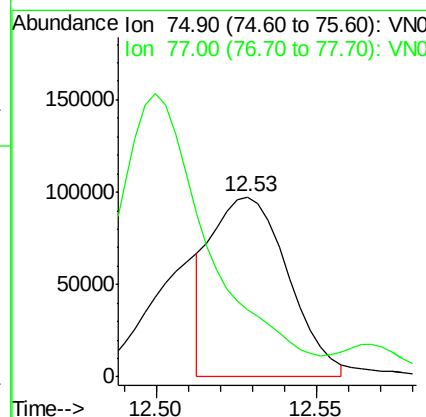
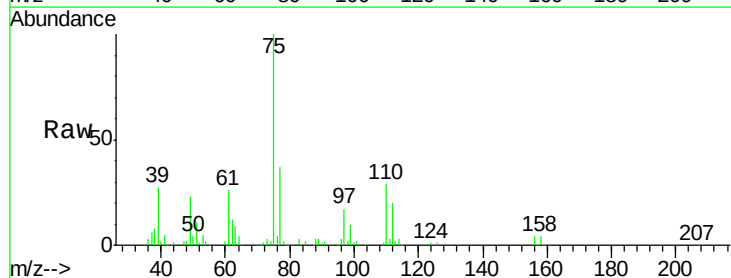
RT: 12.53 min Scan# 3345

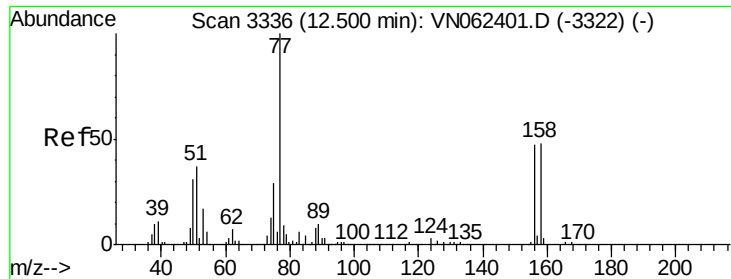
Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Tgt Ion:	75	Resp:	160983
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





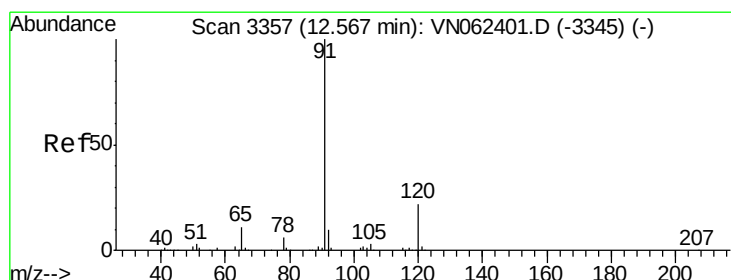
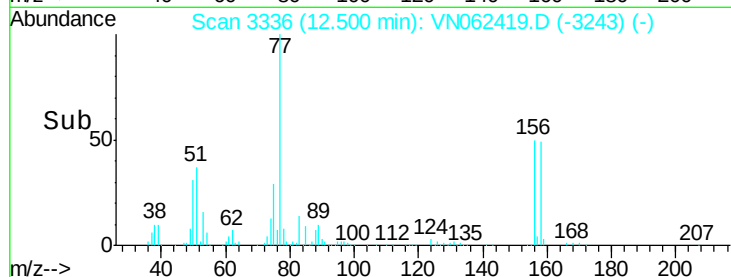
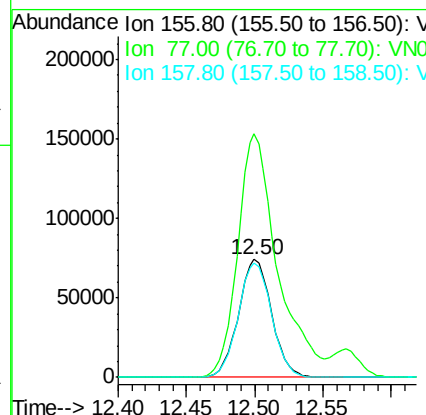
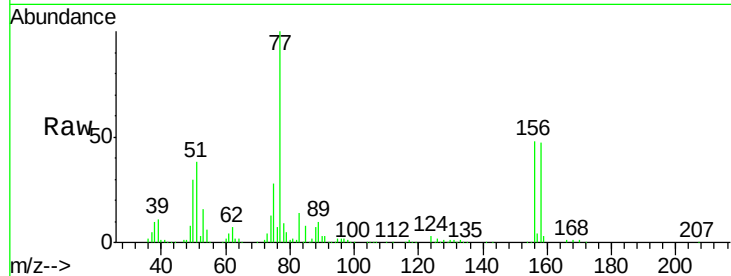
#77
Bromobenzene
Concen: 47.631 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	247.2	126.4	379.3
158	98.0	49.8	149.4

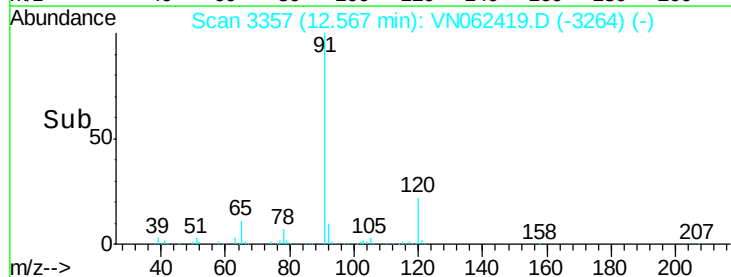
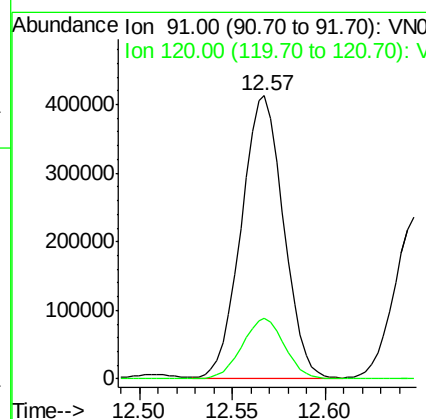
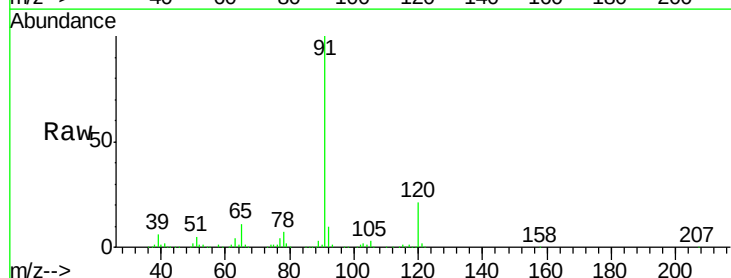
Manual Integrations
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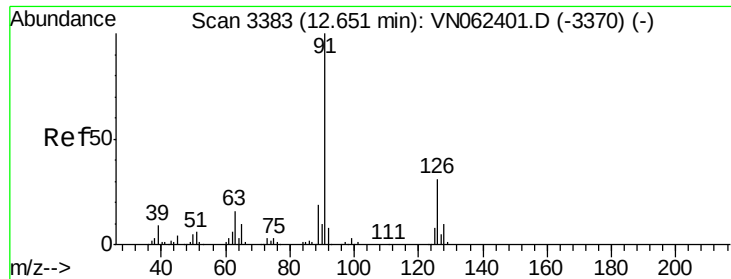
MMDadoda
7/9/2020 10:58:39 AM



#78
n-propylbenzene
Concen: 47.908 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062419.D
Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.7	32.1





#79

2-Chlorotoluene

Concen: 47.420 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 388958

Ion Ratio Lower Upper

91 100

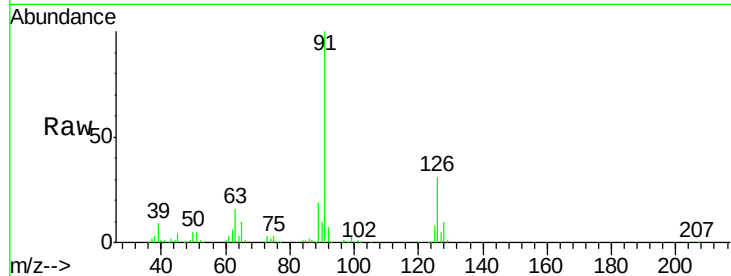
126 31.7 15.6 46.7

Manual Integrations

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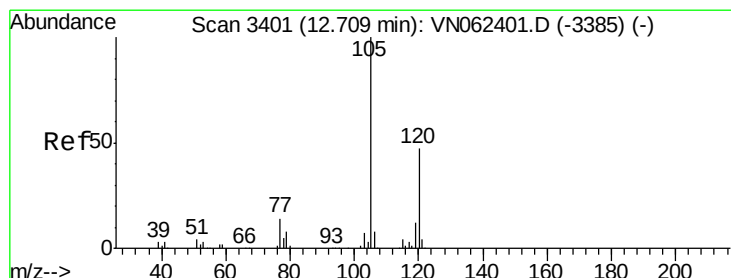
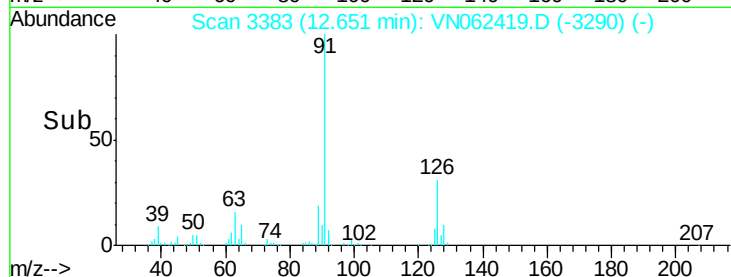
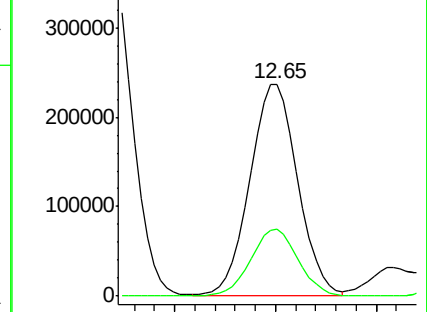
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Abundance Ion 91.00 (90.70 to 91.70): VN062419.D (-3383) (-)

Ion 125.90 (125.60 to 126.60): VN062419.D (-3383) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.078 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062419.D

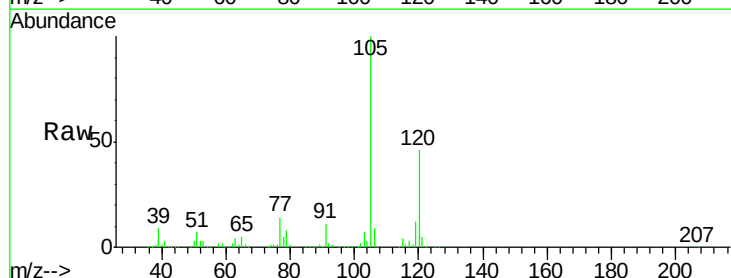
Acq: 8 Jul 2020 20:15

Tgt Ion: 105 Resp: 465489

Ion Ratio Lower Upper

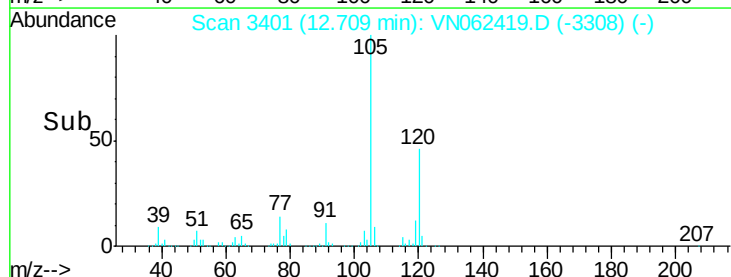
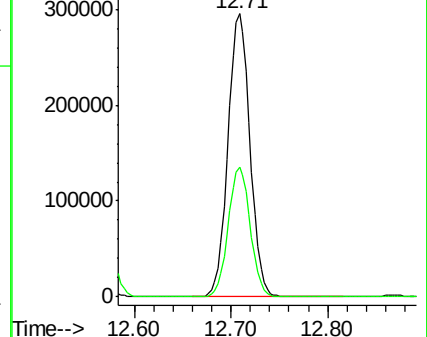
105 100

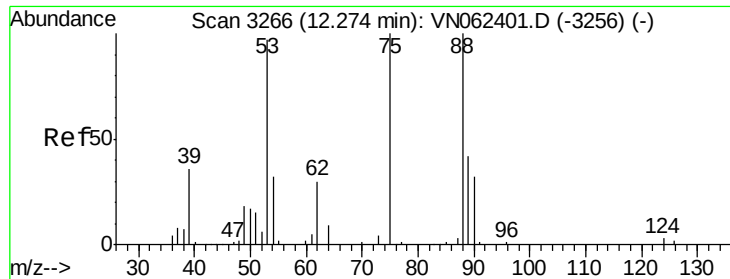
120 45.9 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062419.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN062419.D (-3398) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.908 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 62922

Ion Ratio Lower Upper

75 100

53 98.1 79.2 118.8

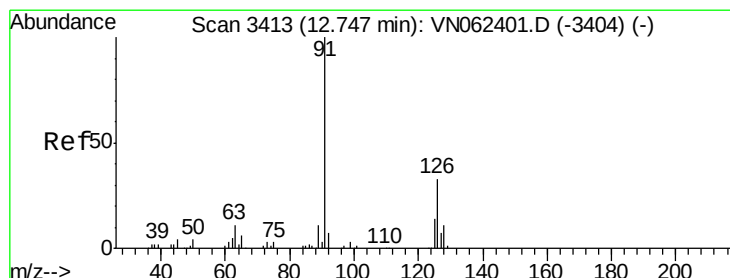
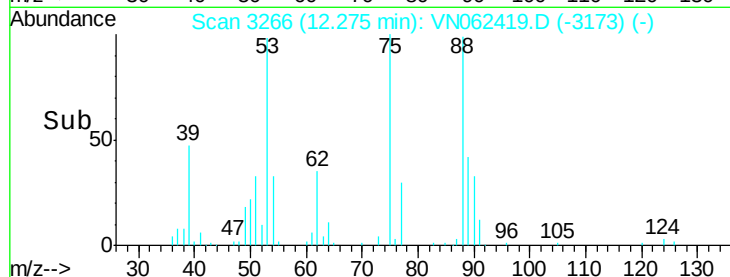
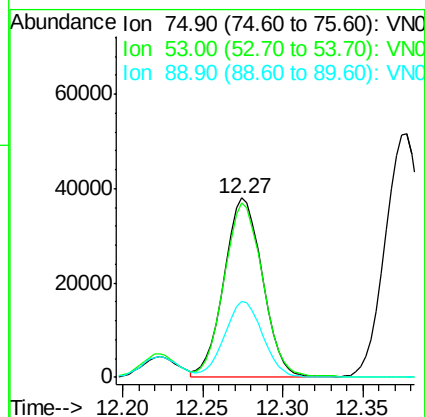
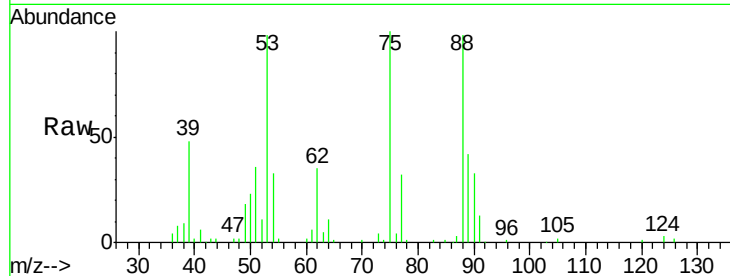
89 41.6 34.6 52.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 48.400 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062419.D

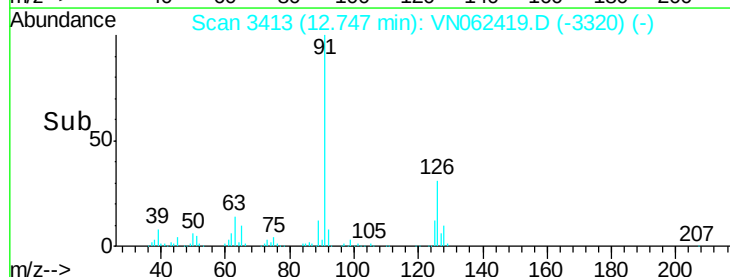
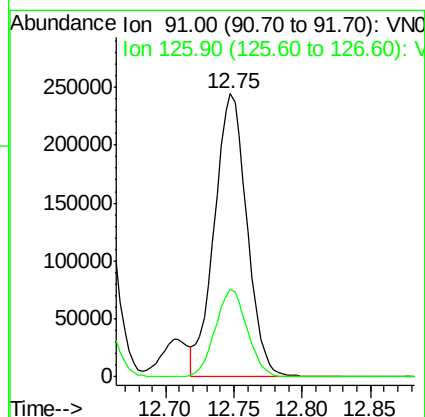
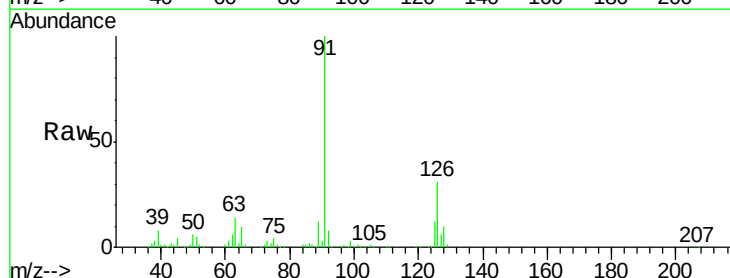
Acq: 8 Jul 2020 20:15

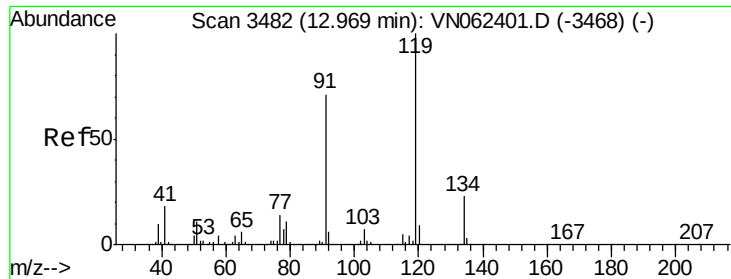
Tgt Ion: 91 Resp: 403035

Ion Ratio Lower Upper

91 100

126 30.6 15.2 45.6





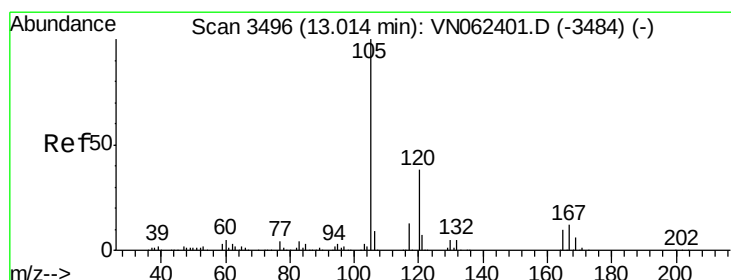
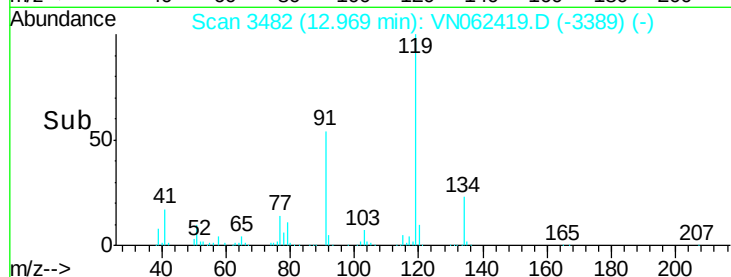
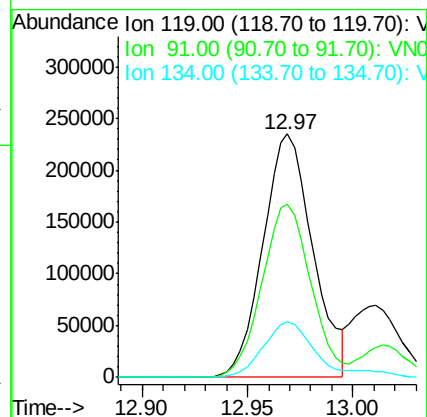
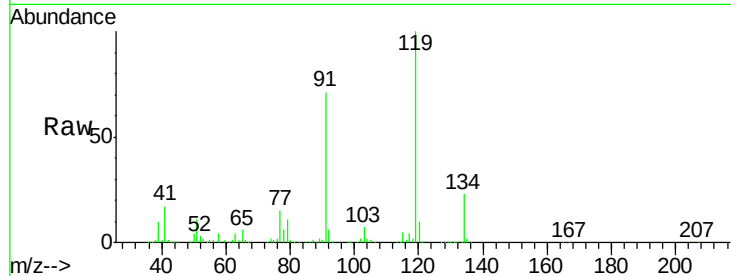
#83
 tert-Butylbenzene
 Concen: 48.065 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.0	34.8	104.3
134	22.5	11.7	35.0

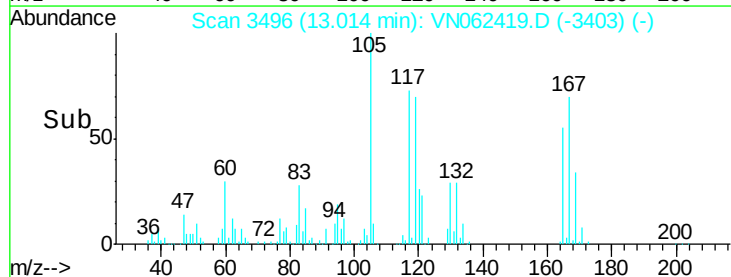
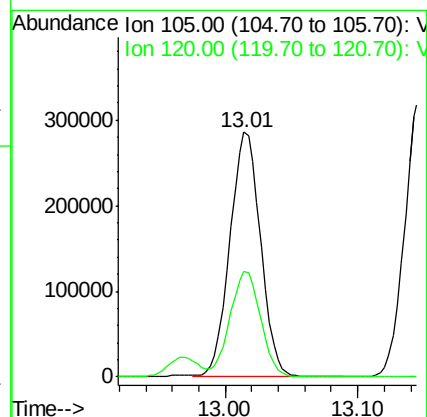
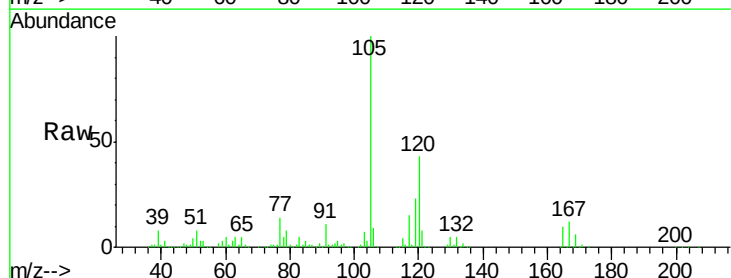
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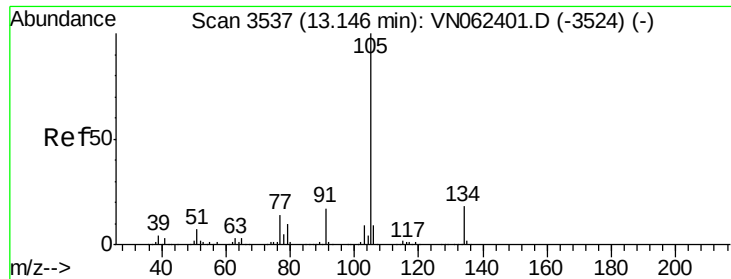
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.567 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.6	64.8





#85

sec-Butylbenzene

Concen: 48.783 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 520304

Ion Ratio Lower Upper

105 100

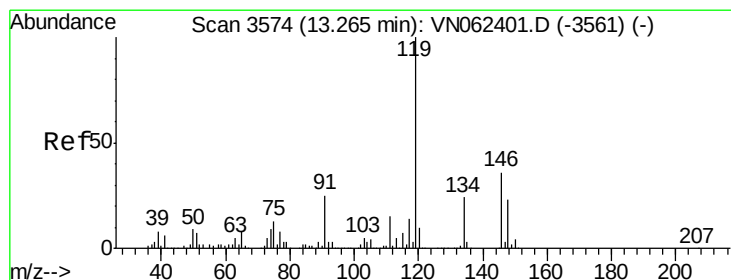
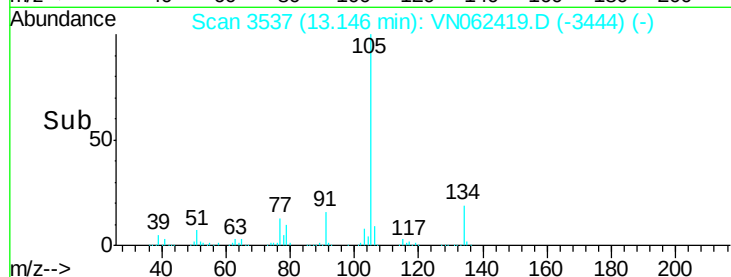
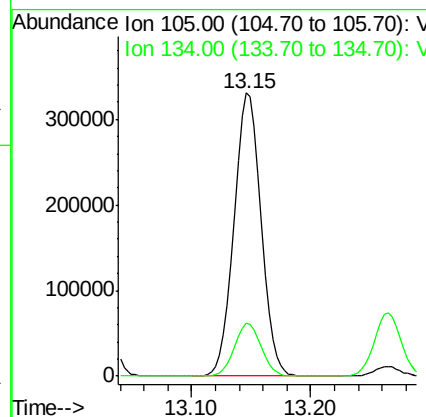
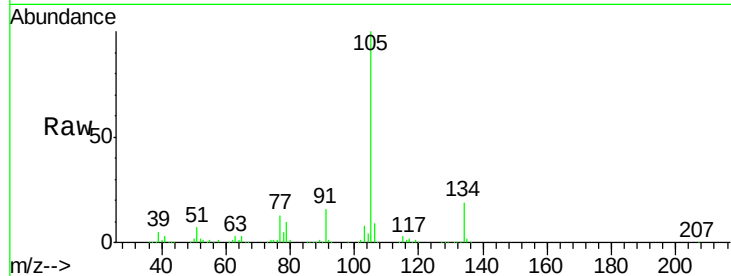
134 18.5 9.3 28.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.054 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

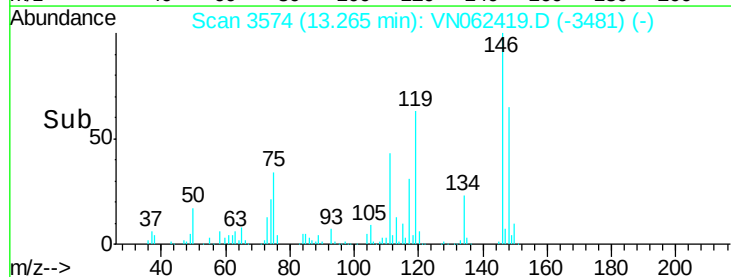
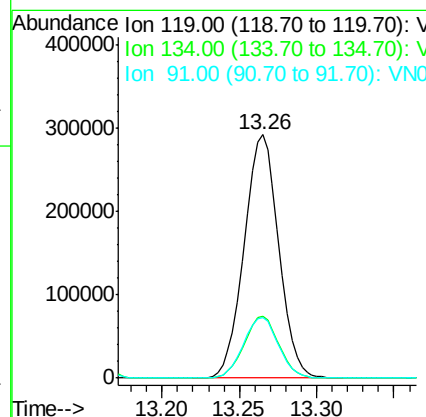
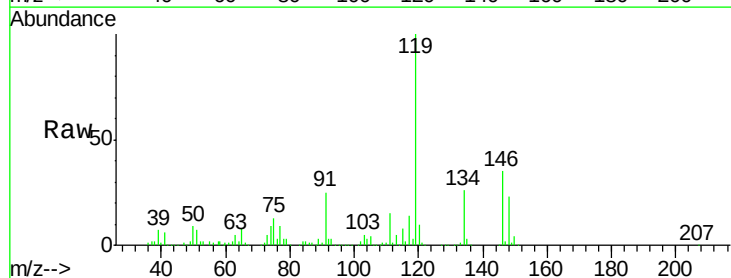
Tgt Ion:119 Resp: 451563

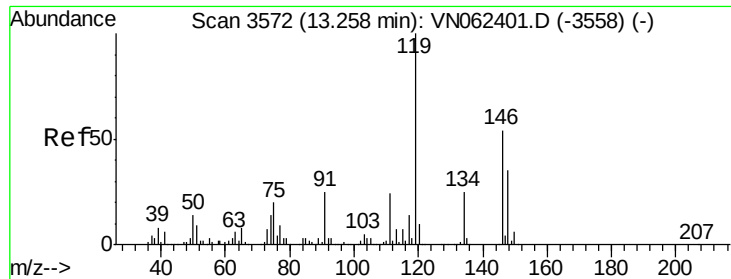
Ion Ratio Lower Upper

119 100

134 25.6 12.4 37.0

91 25.5 12.4 37.4





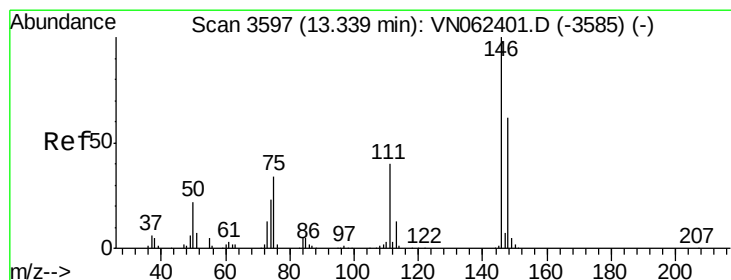
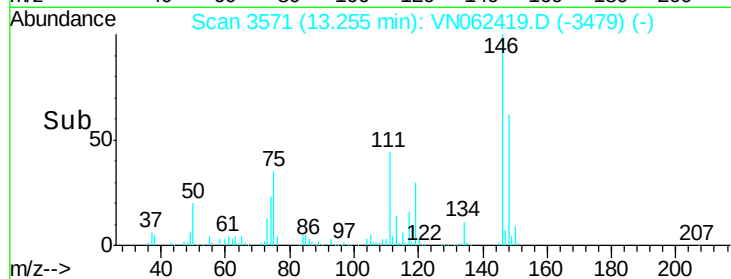
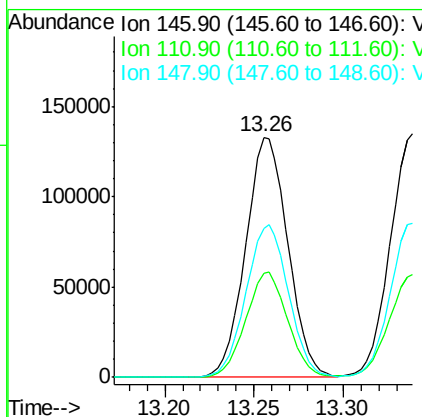
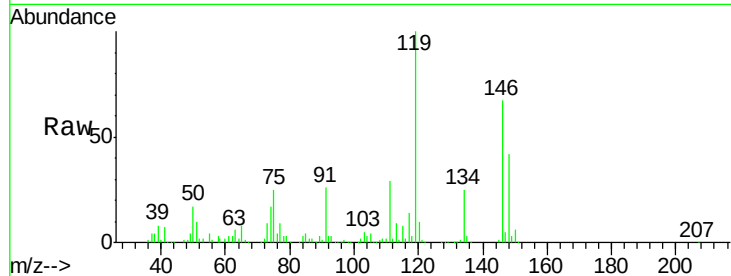
#87
 1,3-Dichlorobenzene
 Concen: 48.645 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.6
148	64.0	32.2	96.6

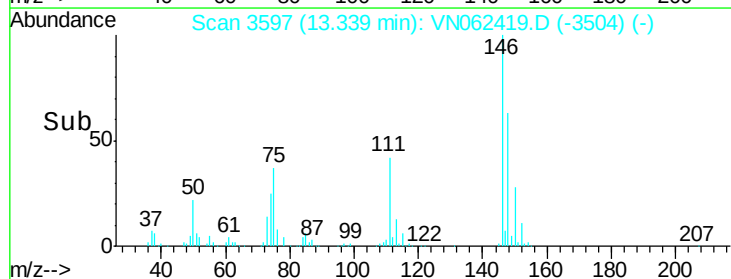
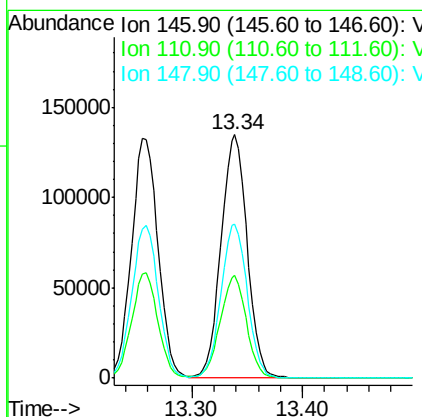
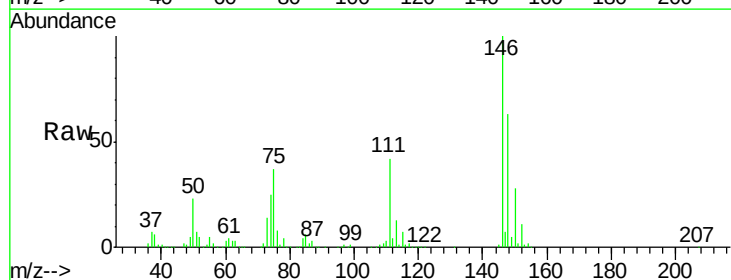
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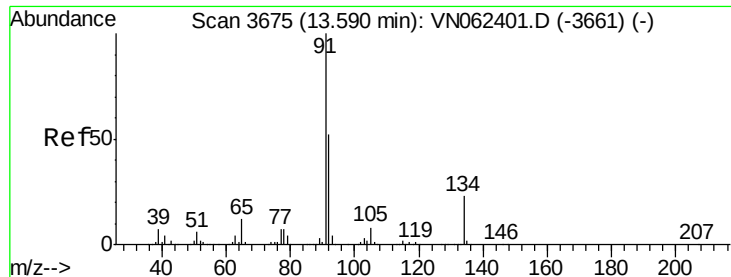
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#88
 1,4-Dichlorobenzene
 Concen: 47.399 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.1
148	63.8	31.4	94.2





#89

n-Butylbenzene

Concen: 47.783 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

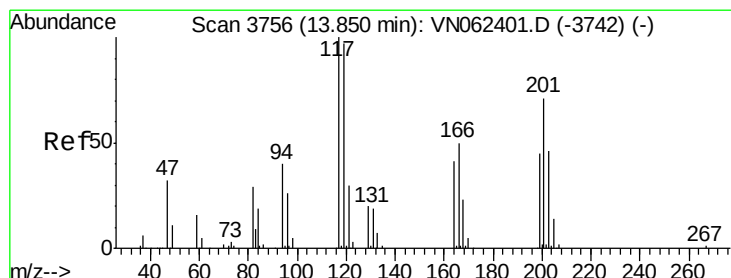
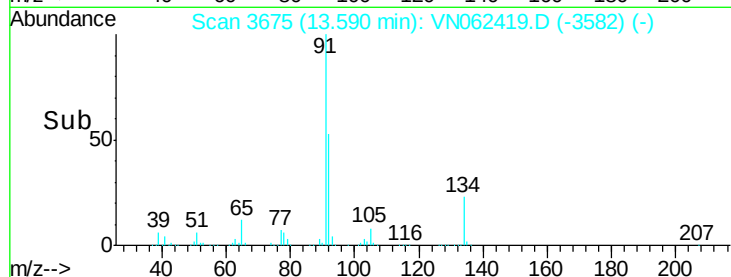
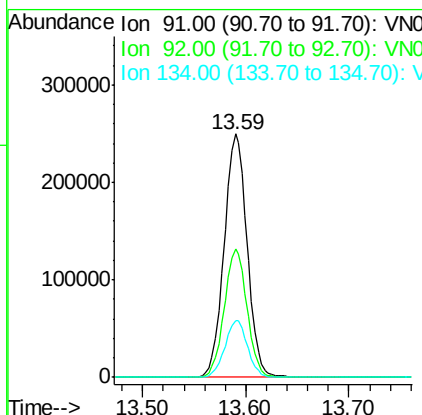
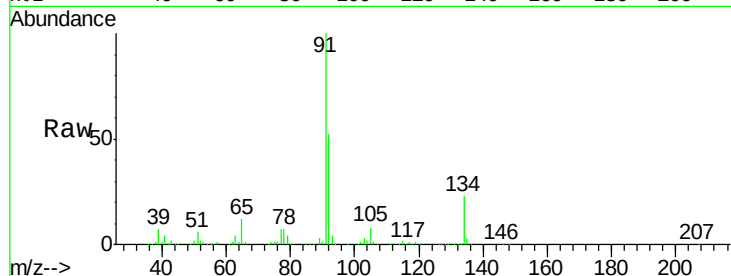
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	388389
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	23.1	11.6	34.8

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#90

Hexachloroethane

Concen: 48.117 ug/l

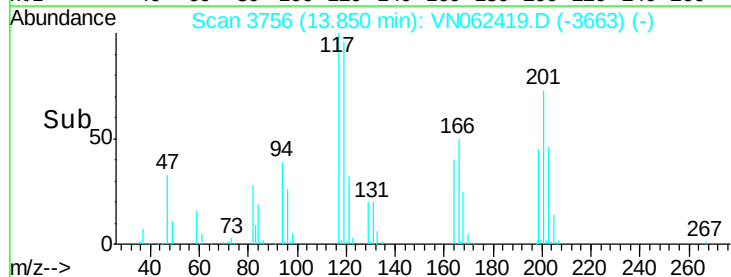
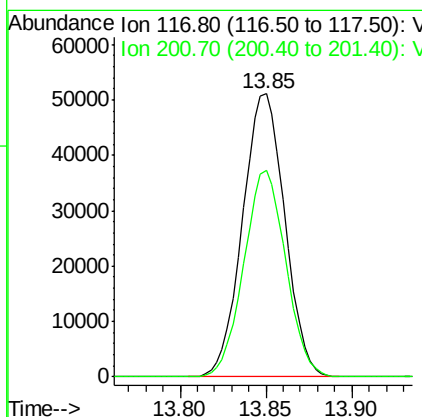
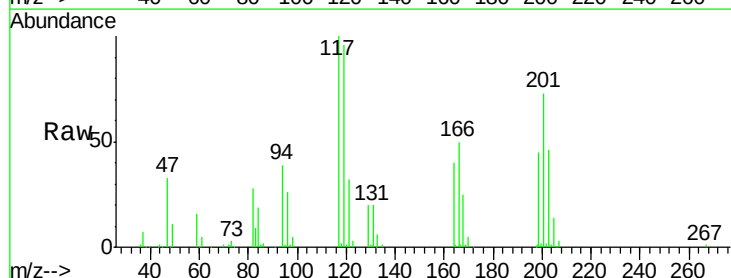
RT: 13.85 min Scan# 3756

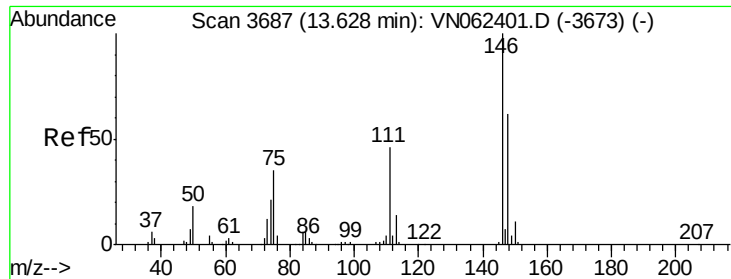
Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Tgt Ion:	117	Resp:	87132
Ion	Ratio	Lower	Upper
117	100		
201	72.2	35.4	106.2





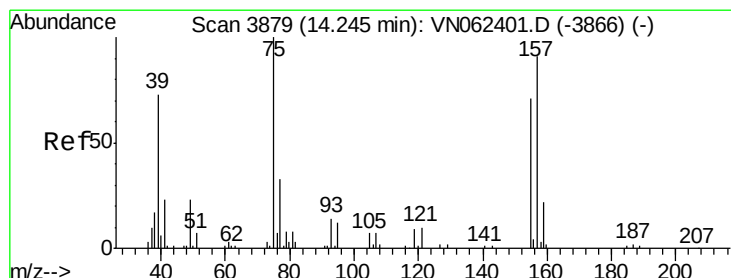
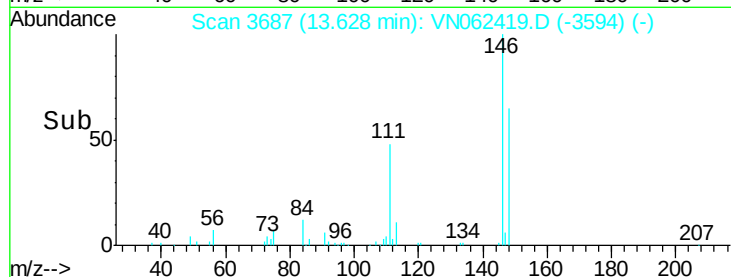
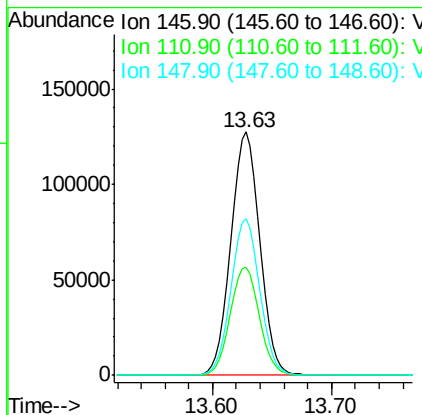
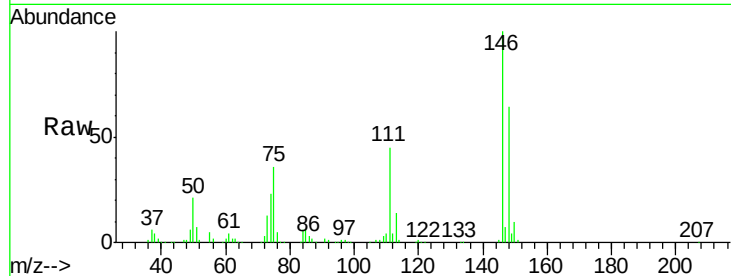
#91
 1,2-Dichlorobenzene
 Concen: 49.163 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.5	67.5
148	64.0	31.4	94.2

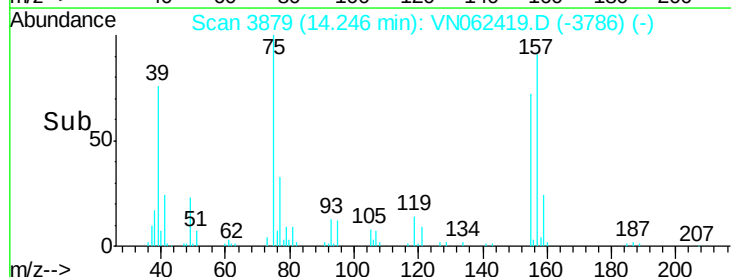
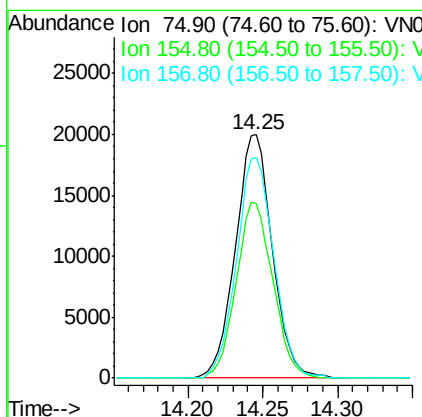
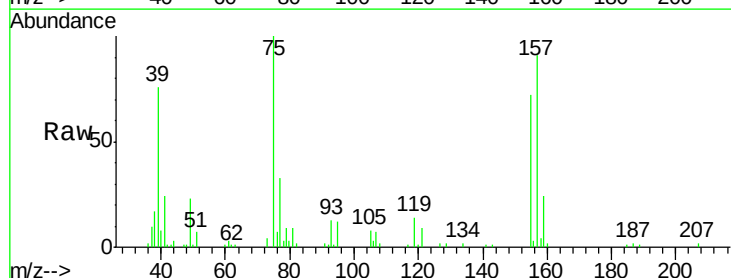
Manual Integrations
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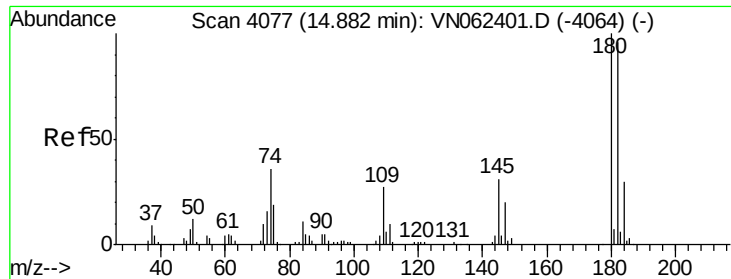
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.494 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062419.D
 Acq: 8 Jul 2020 20:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.4	35.2	105.6
157	91.4	45.8	137.3





#93

1,2,4-Trichlorobenzene

Concen: 49.578 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

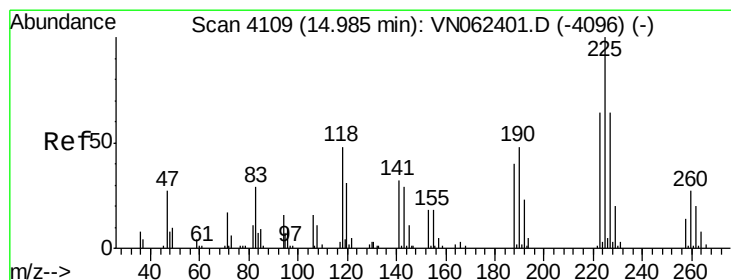
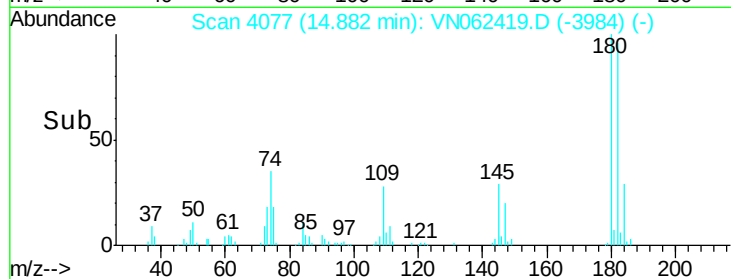
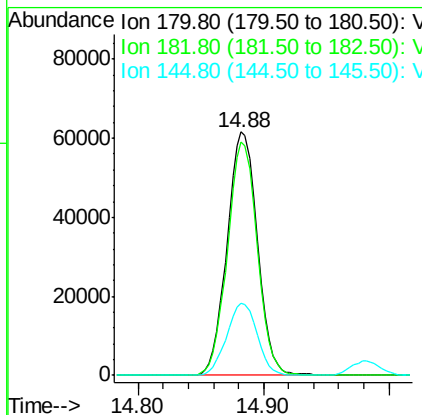
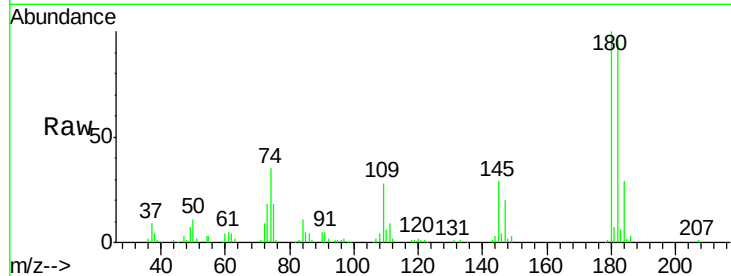
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	103198
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.4	145.2
145	29.8	15.5	46.5

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:58:39 AM



#94

Hexachlorobutadiene

Concen: 47.886 ug/l

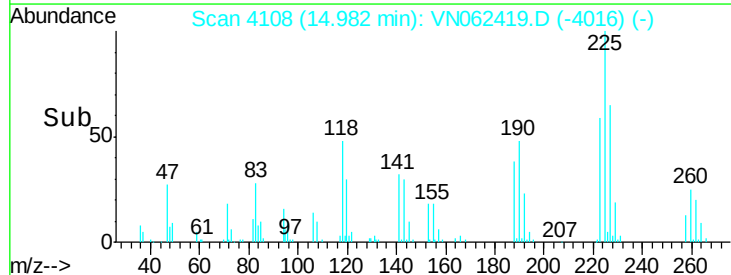
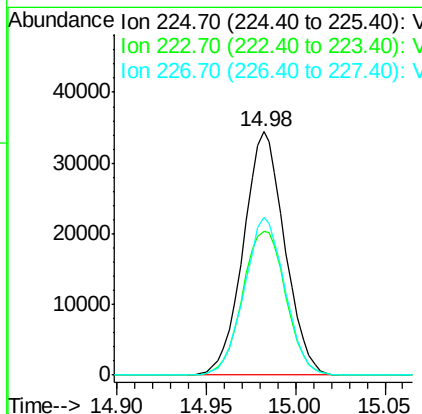
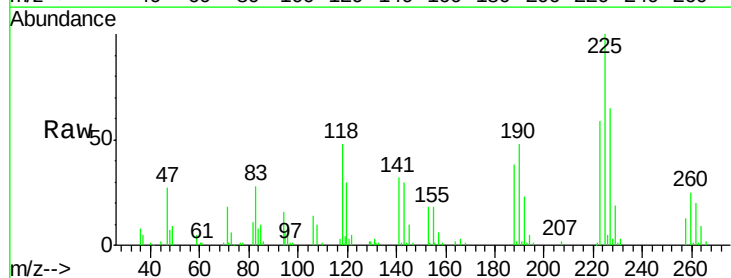
RT: 14.98 min Scan# 4108

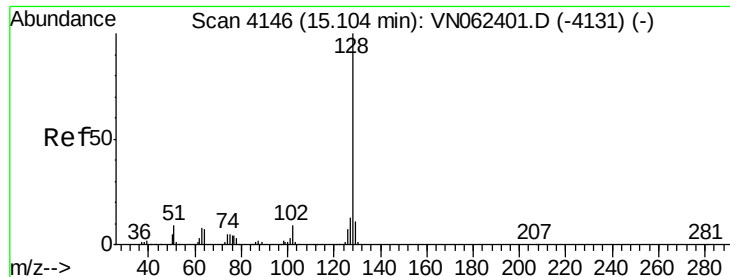
Delta R.T. -0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Tgt Ion:	225	Resp:	55781
Ion Ratio	Lower	Upper	
225	100		
223	62.0	32.3	96.8
227	63.7	31.9	95.7





#95

Naphthalene

Concen: 48.843 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Instrument :

MSVOA_N

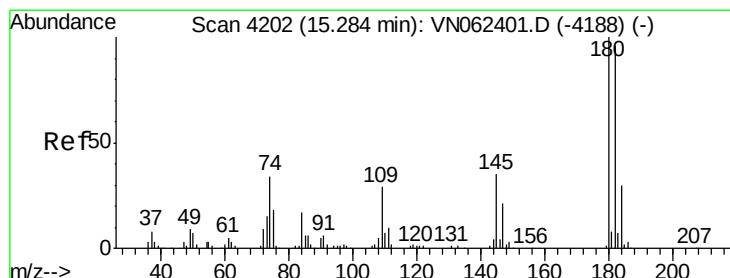
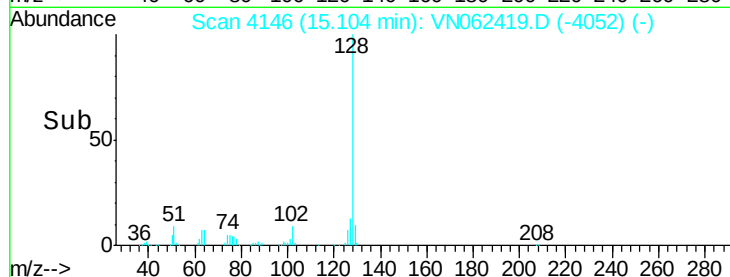
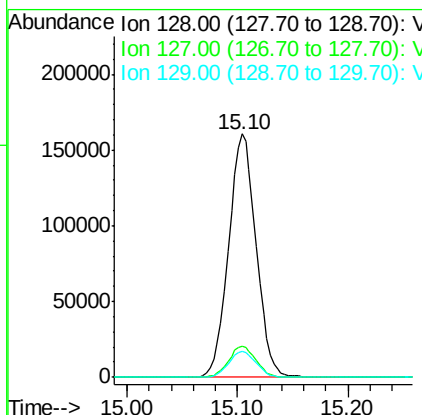
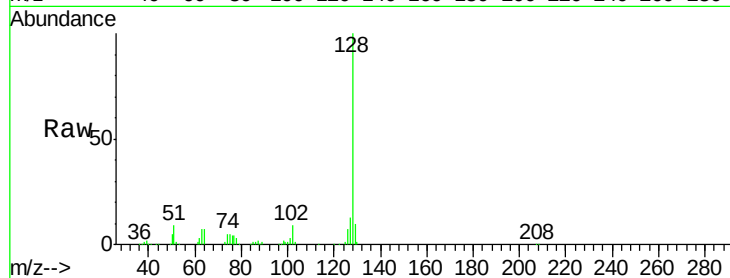
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	277651
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:58:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 43.335 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062419.D

Acq: 8 Jul 2020 20:15

Tgt Ion:	180	Resp:	101288
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.8	143.4
145	33.7	17.0	50.9

