

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062445.D
 Acq On : 9 Jul 2020 7:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:59:00 AM

Quant Time: Jul 09 08:11:40 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	215715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	385659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	350849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161634	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	174719	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
35) Dibromofluoromethane	7.55	113	123764	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	10.06	98	494980	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	12.38	95	183898	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	109605	49.882	ug/l	96
3) Chloromethane	2.04	50	156389	44.358	ug/l	98
4) Vinyl Chloride	2.16	62	142321	49.272	ug/l	99
5) Bromomethane	2.52	94	52364	33.754	ug/l	99
6) Chloroethane	2.67	64	83774	49.796	ug/l	95
7) Trichlorofluoromethane	2.98	101	185951	50.688	ug/l	100
8) Diethyl Ether	3.37	74	86426	52.686	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	111543	51.292	ug/l	99
10) Methyl Iodide	3.91	142	92259	32.130	ug/l	99
11) Tert butyl alcohol	4.73	59	141968	257.939	ug/l	99
12) 1,1-Dichloroethene	3.70	96	114715	51.811	ug/l	96
13) Acrolein	3.57	56	76946	193.798	ug/l	100
14) Allyl chloride	4.27	41	246789	47.393	ug/l	98
15) Acrylonitrile	4.93	53	365921	253.496	ug/l	99
16) Acetone	3.77	43	308282	218.847	ug/l	99
17) Carbon Disulfide	4.01	76	347650	50.109	ug/l	100
18) Methyl Acetate	4.28	43	167168	47.553	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	442803	52.750	ug/l	99
20) Methylene Chloride	4.50	84	141459	46.967	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	123803	51.614	ug/l	99
22) Diisopropyl ether	5.90	45	528006	51.323	ug/l	97
23) Vinyl Acetate	5.84	43	2207876	259.069	ug/l	100
24) 1,1-Dichloroethane	5.80	63	273550	51.456	ug/l	99
25) 2-Butanone	6.79	43	510222	248.010	ug/l	98
26) 2,2-Dichloropropane	6.78	77	150793	36.994	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	147573	53.116	ug/l	96
28) Bromochloromethane	7.15	49	145988	50.546	ug/l	97
29) Tetrahydrofuran	7.17	42	345364	249.349	ug/l	99
30) Chloroform	7.33	83	254541	53.029	ug/l	98
31) Cyclohexane	7.61	56	242263	48.070	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	210902	52.822	ug/l	98
36) 1,1-Dichloropropene	7.75	75	194171	49.974	ug/l	99
37) Ethyl Acetate	6.88	43	215623	47.459	ug/l	99
38) Carbon Tetrachloride	7.73	117	179320	51.334	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	213143	51.383	ug/l	97
40) Benzene	8.00	78	578241	50.495	ug/l	100
41) Methacrylonitrile	7.12	41	99538	52.437	ug/l	98
42) 1,2-Dichloroethane	8.09	62	212437	50.664	ug/l	100
43) Isopropyl Acetate	8.12	43	362416	50.496	ug/l	98
44) Trichloroethene	8.80	130	133335	52.479	ug/l	100
45) 1,2-Dichloropropane	9.09	63	167101	50.267	ug/l	99
46) Dibromomethane	9.18	93	96401	51.387	ug/l	99
47) Bromodichloromethane	9.37	83	207122	51.642	ug/l	99
48) Methyl methacrylate	9.17	41	175947	49.976	ug/l	98
49) 1,4-Dioxane	9.17	88	52965	1033.599	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1073343	250.384	ug/l	99
52) Toluene	10.12	92	341942	51.696	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	224773	50.023	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	245358	49.489	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	134991	51.890	ug/l	97
56) Ethyl methacrylate	10.40	69	237011	49.522	ug/l	100
57) 1,3-Dichloropropane	10.68	76	250289	52.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	410504	265.980	ug/l	99
59) 2-Hexanone	10.72	43	784428	252.059	ug/l	98
60) Dibromochloromethane	10.87	129	147640	52.341	ug/l	98
61) 1,2-Dibromoethane	10.98	107	137958	52.533	ug/l	100
64) Tetrachloroethene	10.60	164	111922	53.759	ug/l	96
65) Chlorobenzene	11.41	112	354796	52.031	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	131068	52.123	ug/l	98
67) Ethyl Benzene	11.48	91	676886	52.884	ug/l	100
68) m/p-Xylenes	11.60	106	484090	106.836	ug/l	99
69) o-Xylene	11.92	106	236749	53.664	ug/l	100
70) Styrene	11.94	104	407755	55.924	ug/l	99
71) Bromoform	12.10	173	97567	52.929	ug/l #	99
73) Isopropylbenzene	12.22	105	632148	50.541	ug/l	100
74) N-amyl acetate	12.04	43	326056	53.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	207368	49.309	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	187563m	47.293	ug/l	
77) Bromobenzene	12.50	156	233490m	82.114	ug/l	
78) n-propylbenzene	12.56	91	752388	51.497	ug/l	100
79) 2-Chlorotoluene	12.65	91	444979	50.182	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	532818	51.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	42761	28.859	ug/l	98
82) 4-Chlorotoluene	12.75	91	463501	51.487	ug/l	100
83) tert-Butylbenzene	12.97	119	447612	51.442	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	547897	53.759	ug/l	100
85) sec-Butylbenzene	13.15	105	590196	51.187	ug/l	100
86) p-Isopropyltoluene	13.26	119	524615	52.717	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	256869	52.365	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	255495	50.619	ug/l	98
89) n-Butylbenzene	13.59	91	472228	53.742	ug/l	99
90) Hexachloroethane	13.85	117	89262	45.598	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	251170	52.957	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	41338	53.863	ug/l	98

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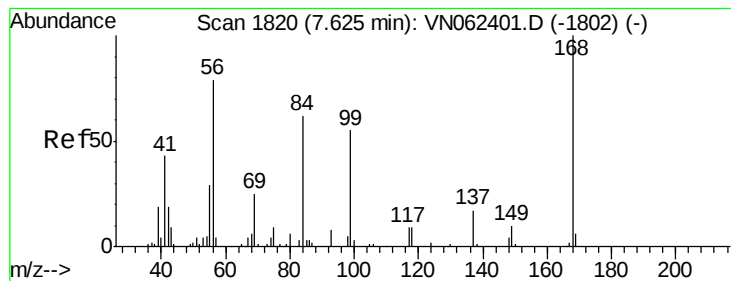
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	135964	59.029	ug/l	98
94) Hexachlorobutadiene	14.99	225	62615	49.722	ug/l	98
95) Naphthalene	15.10	128	692854	98.358	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	134848	52.622	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 215715

Ion Ratio Lower Upper

168 100

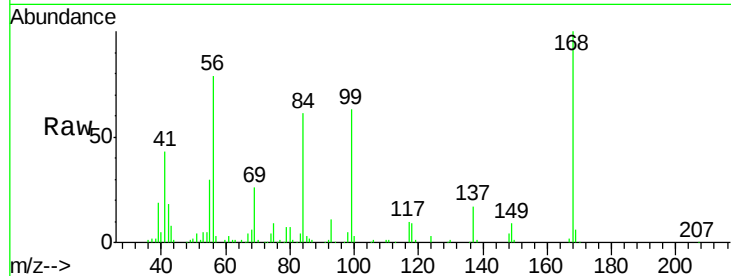
99 63.0 48.8 73.2

Manual Integrations

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7/9/2020 10:59:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

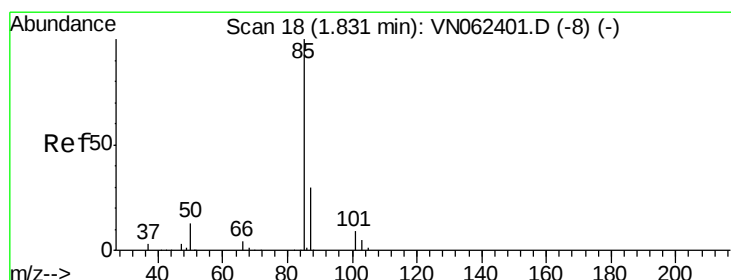
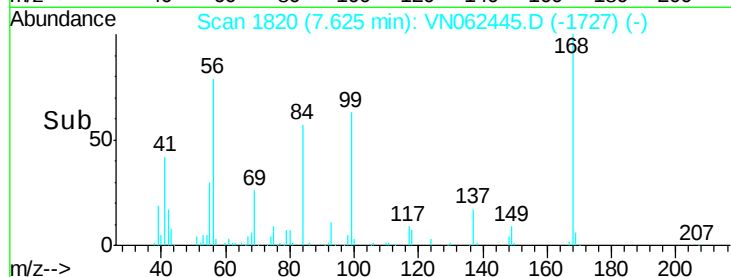
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 49.882 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062445.D

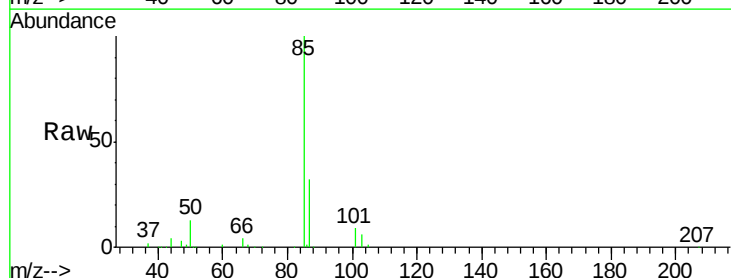
Acq: 9 Jul 2020 7:35

Tgt Ion: 85 Resp: 109605

Ion Ratio Lower Upper

85 100

87 32.4 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

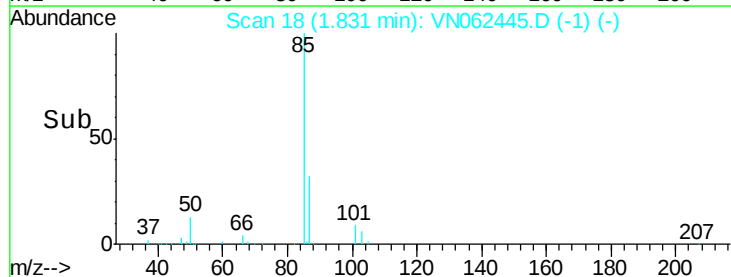
60000

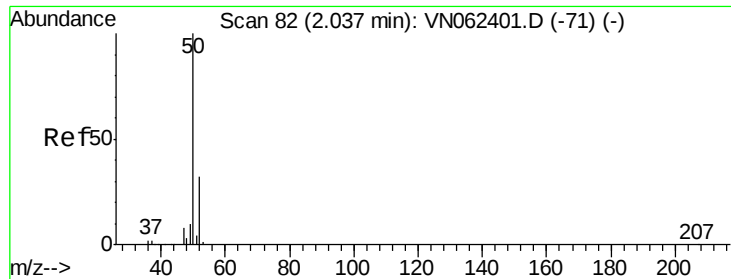
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 44.358 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 156389

Ion Ratio Lower Upper

50 100

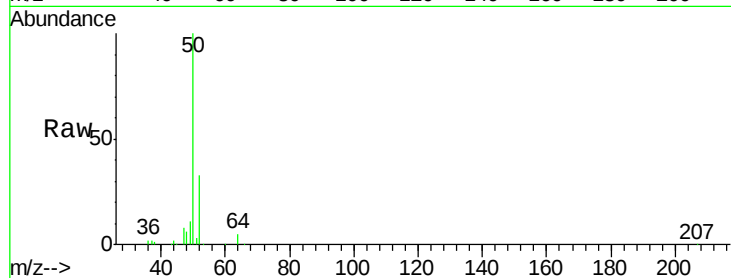
52 33.2 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

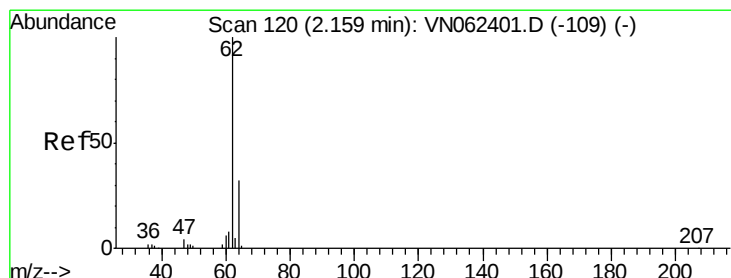
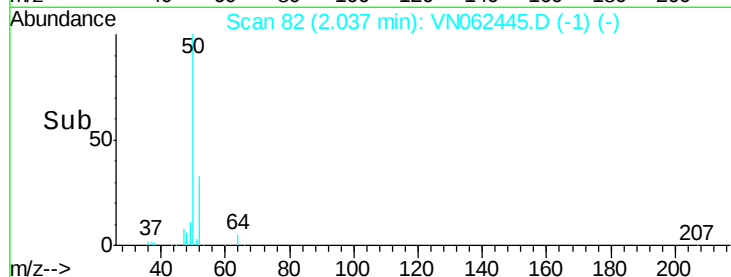
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 49.272 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062445.D

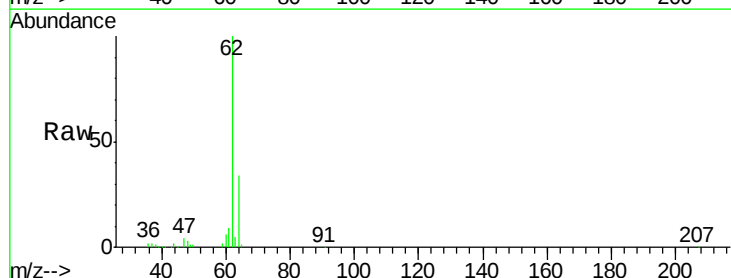
Acq: 9 Jul 2020 7:35

Tgt Ion: 62 Resp: 142321

Ion Ratio Lower Upper

62 100

64 31.6 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

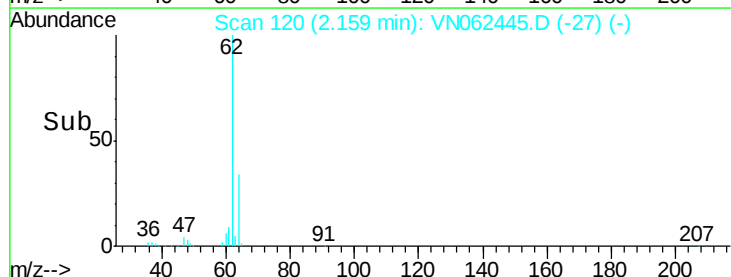
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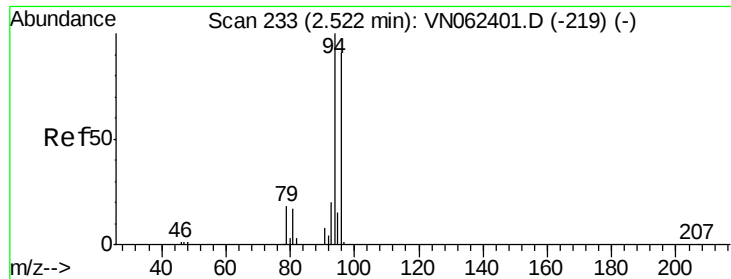
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 33.754 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52364

Ion Ratio Lower Upper

94 100

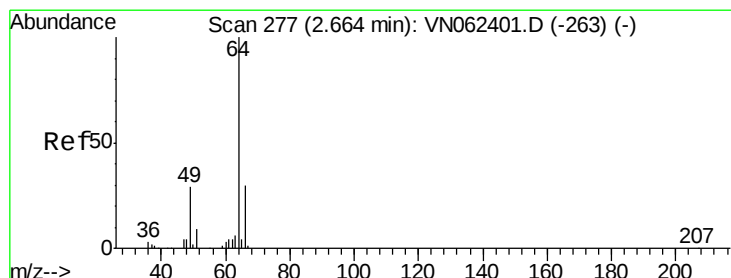
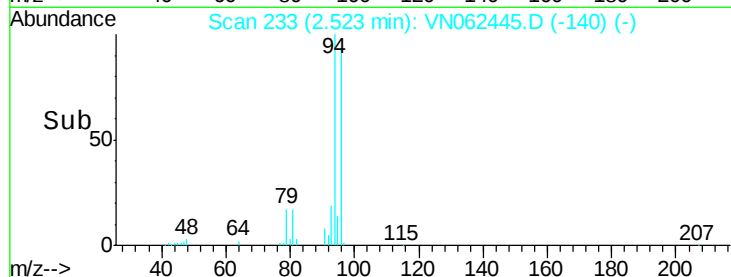
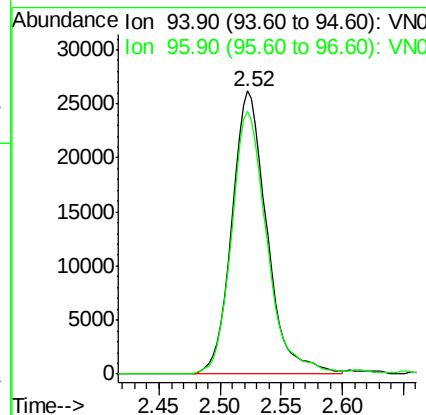
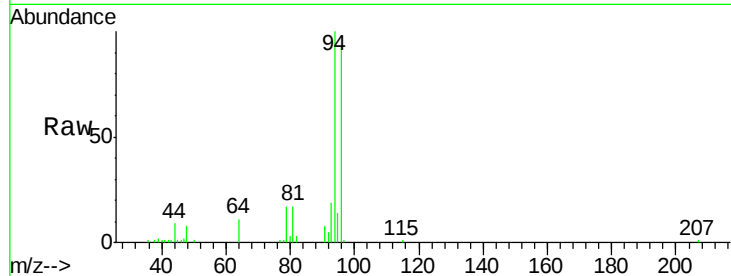
96 92.7 73.2 109.8

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7/9/2020 10:59:00 AM



#6

Chloroethane

Concen: 49.796 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062445.D

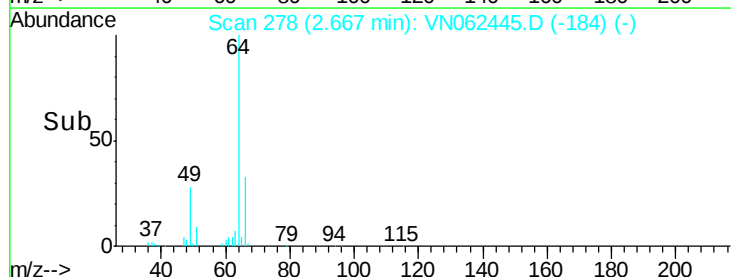
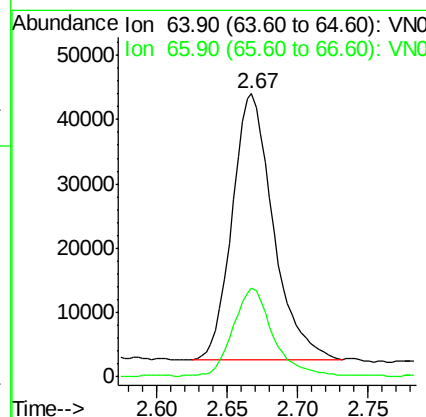
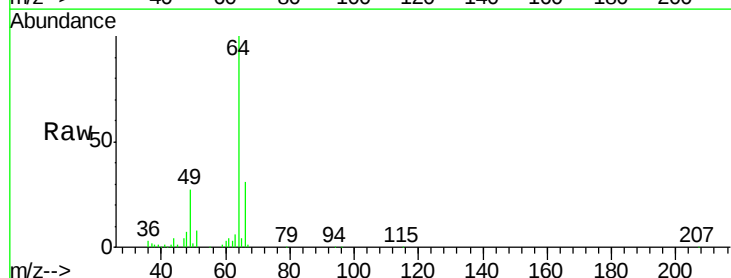
Acq: 9 Jul 2020 7:35

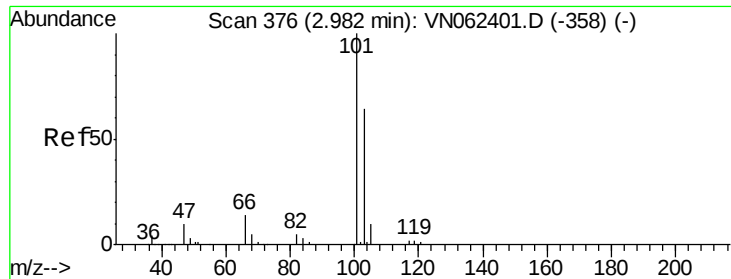
Tgt Ion: 64 Resp: 83774

Ion Ratio Lower Upper

64 100

66 33.0 24.2 36.2





#7

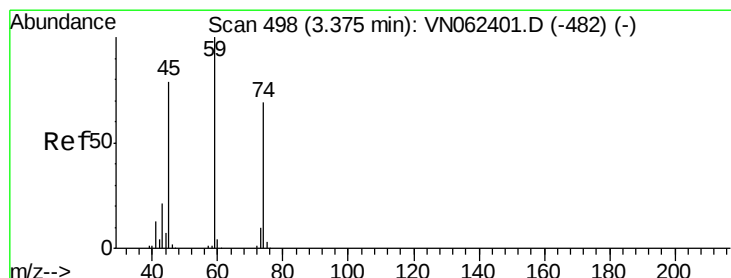
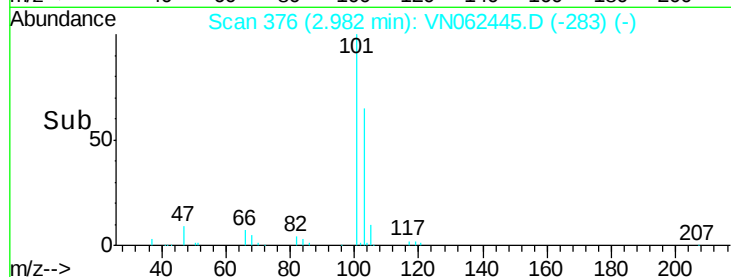
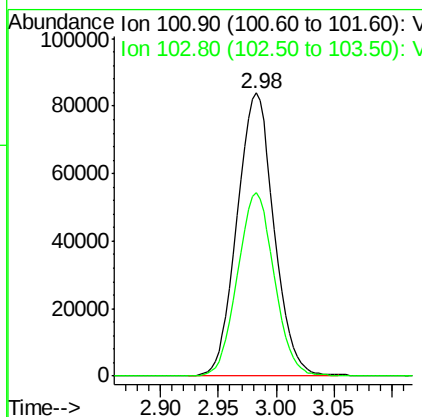
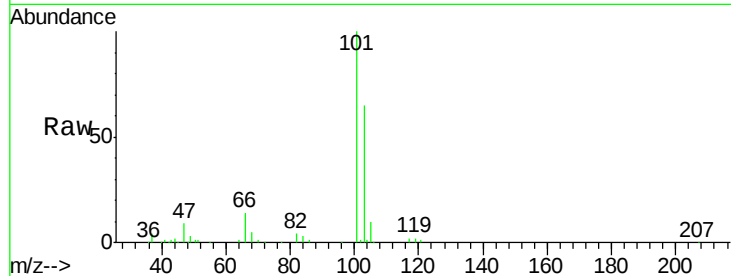
Trichlorofluoromethane
 Concen: 50.688 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.6	77.4

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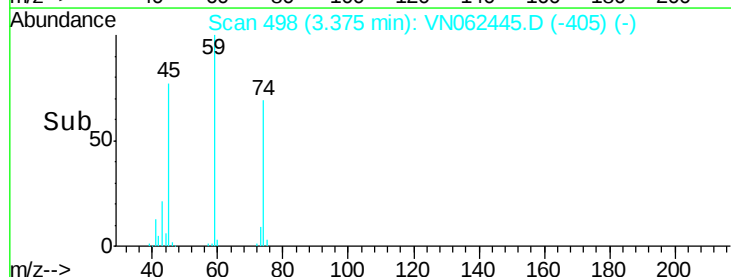
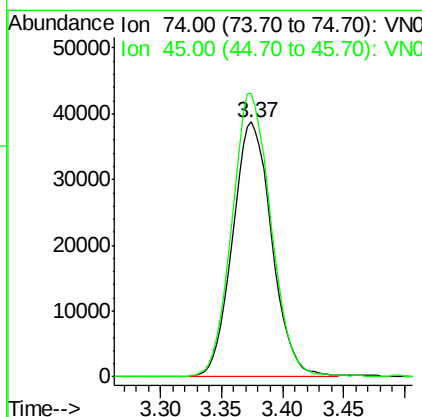
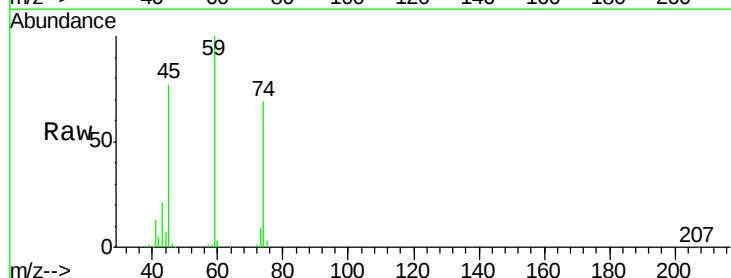
MMDadoda
 7/9/2020 10:59:00 AM

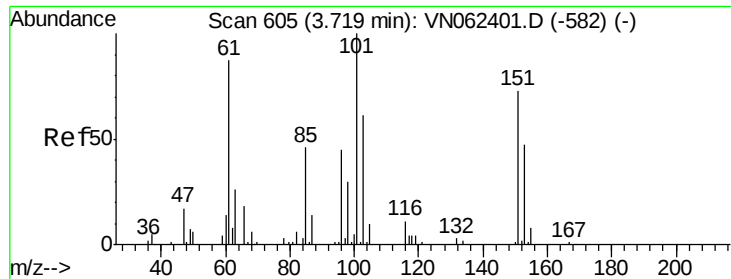


#8

Diethyl Ether
 Concen: 52.686 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.1	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.292 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

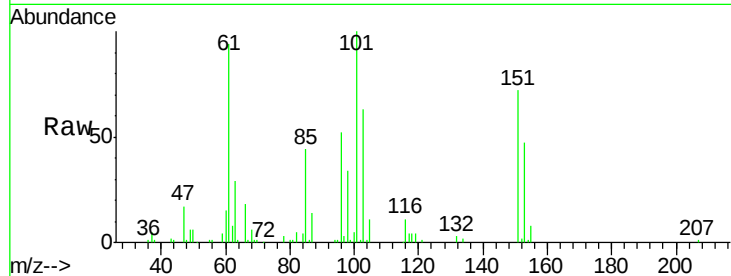
ClientSampleId :

VSTDCCC050EC

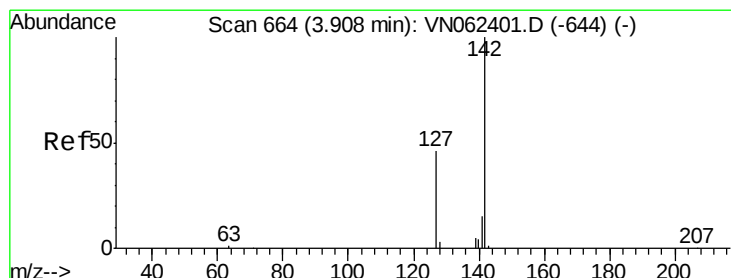
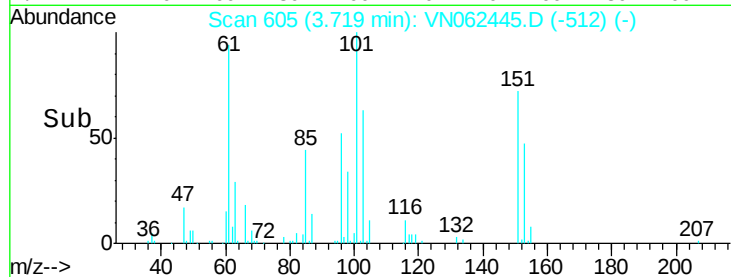
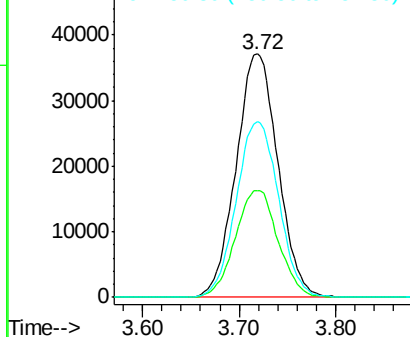
Tot Ion:	101	Resp:	111543
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.7	55.1
151	73.1	58.3	87.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 32.130 ug/l

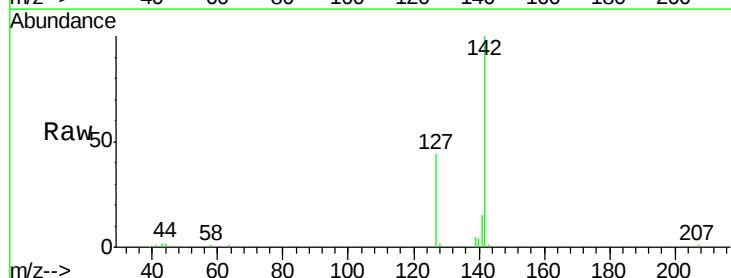
RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

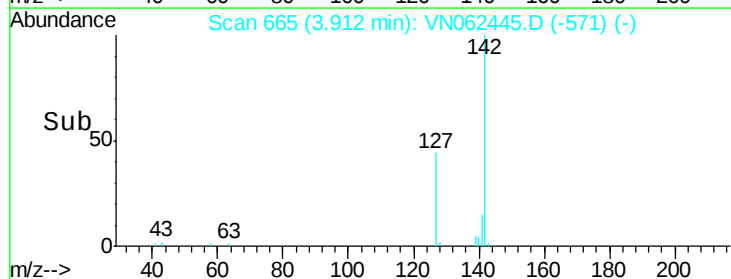
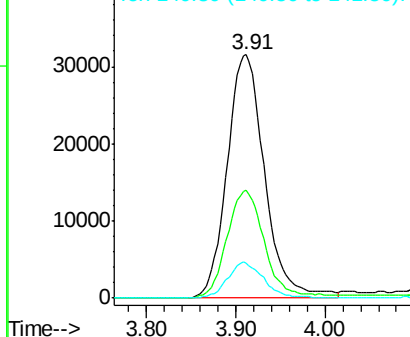
Lab File: VN062445.D

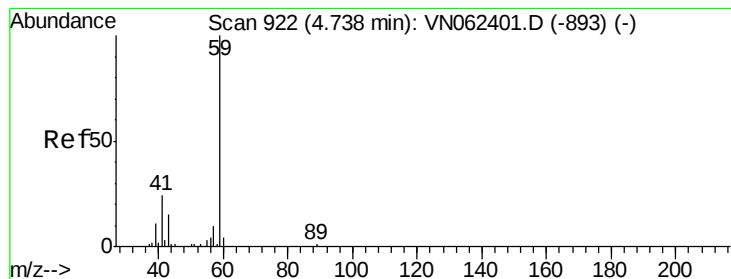
Acq: 9 Jul 2020 7:35

Tgt Ion:	142	Resp:	92259
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.1	54.1
141	14.1	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

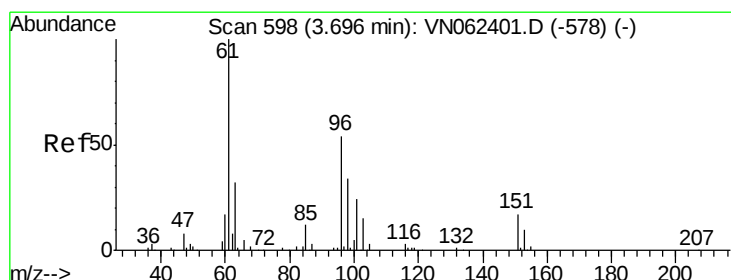
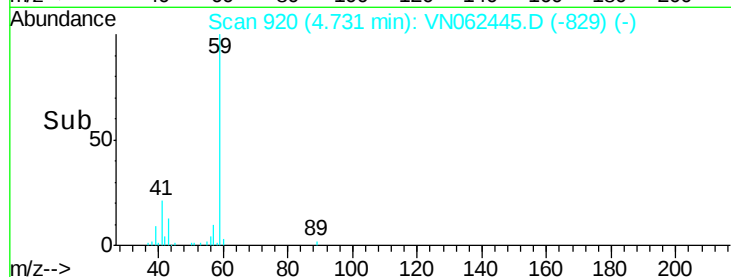
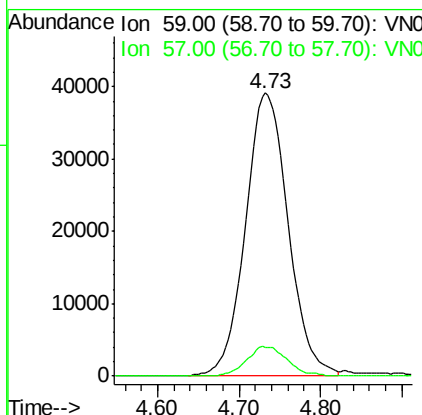
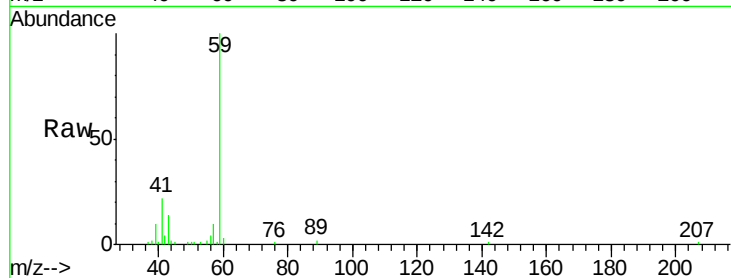
Tert butyl alcohol
 Concen: 257.939 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.6

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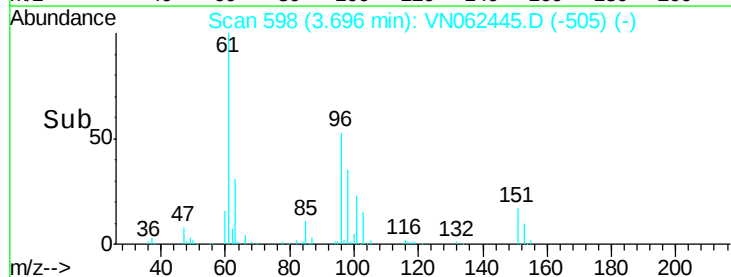
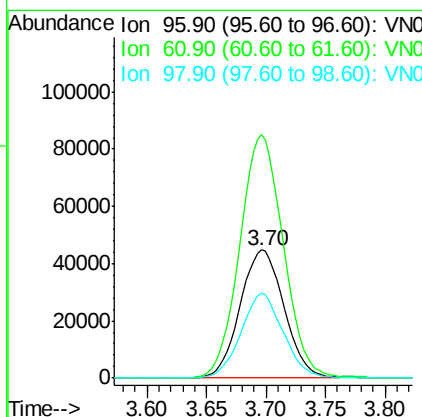
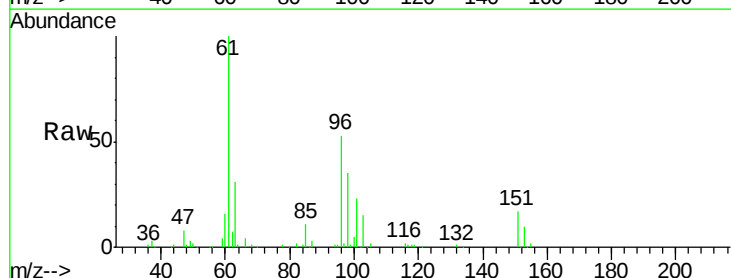
MMDadoda
 7/9/2020 10:59:00 AM

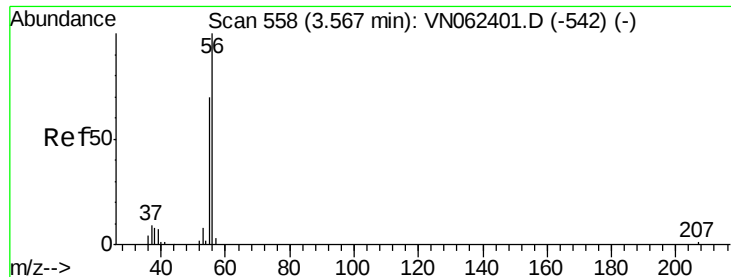


#12

1,1-Dichloroethene
 Concen: 51.811 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.7	147.4	221.0
98	66.1	50.4	75.6





#13

Acrolein

Concen: 193.798 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 76946

Ion Ratio Lower Upper

56 100

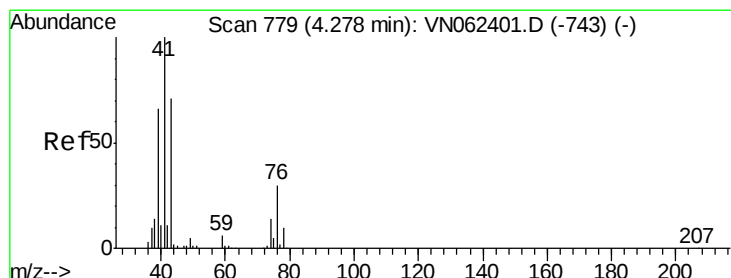
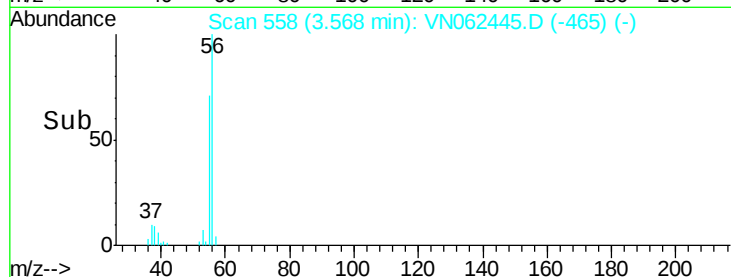
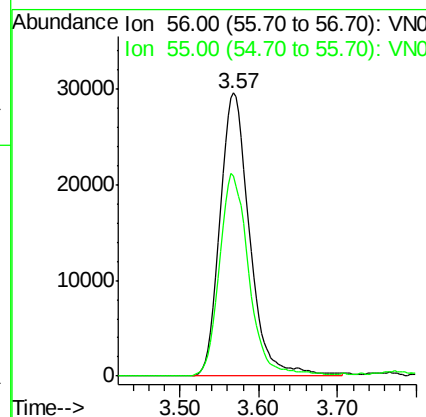
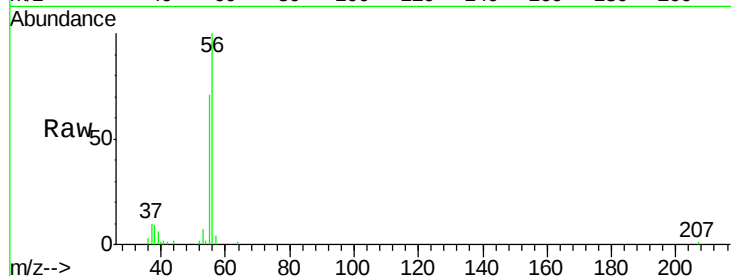
55 71.3 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 47.393 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

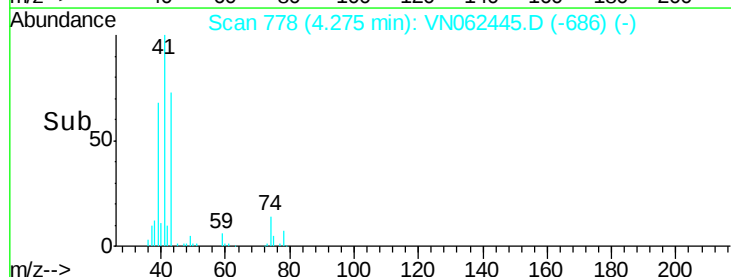
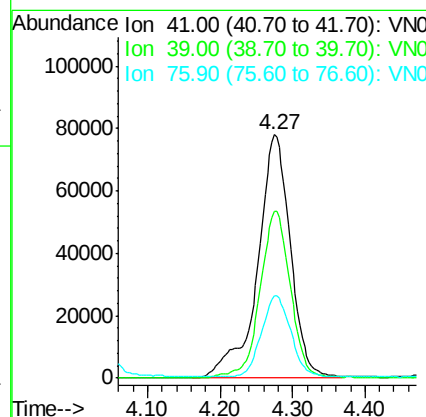
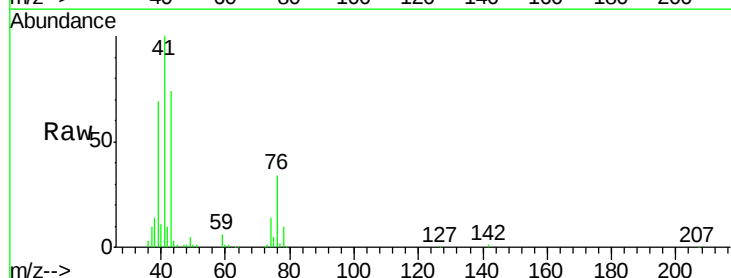
Tgt Ion: 41 Resp: 246789

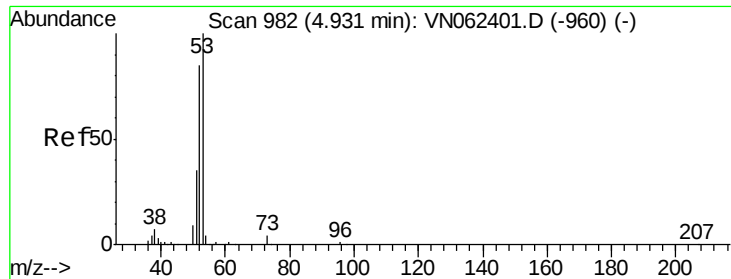
Ion Ratio Lower Upper

41 100

39 63.4 49.6 74.4

76 29.2 22.2 33.4





#15

Acrylonitrile

Concen: 253.496 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

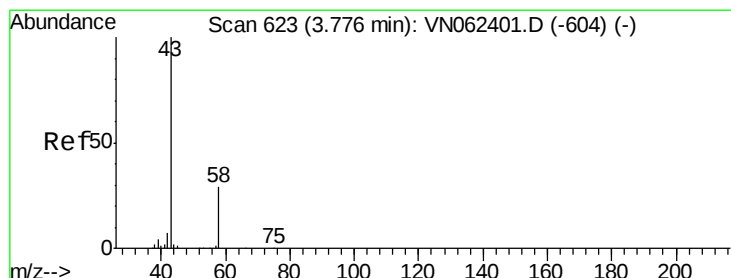
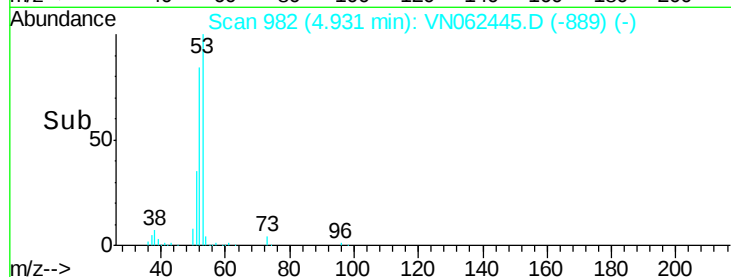
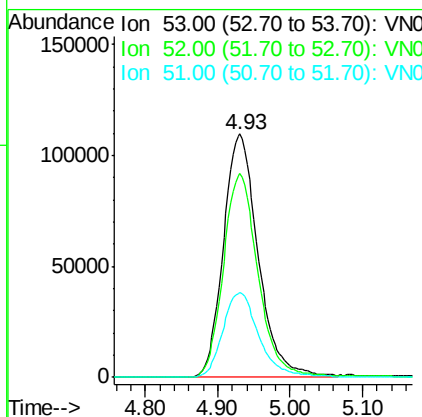
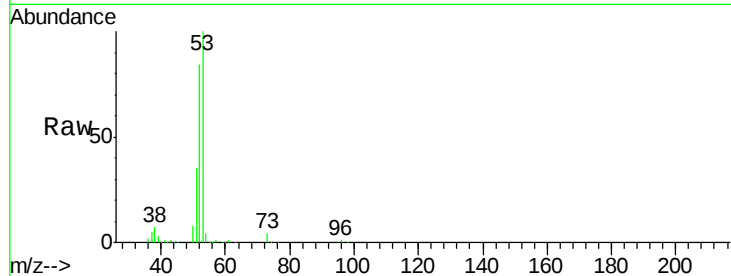
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	365921
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.2	99.4
51	36.0	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 218.847 ug/l

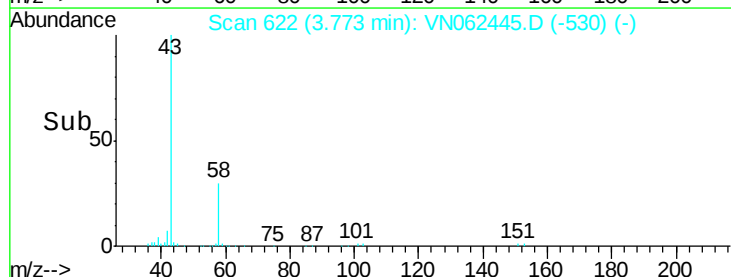
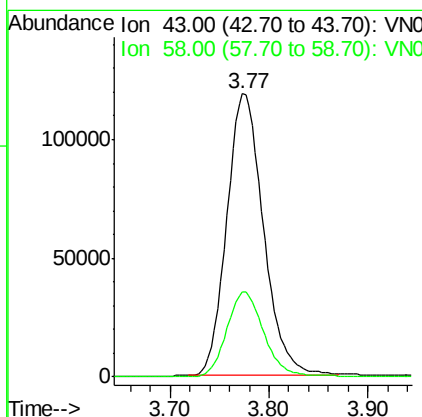
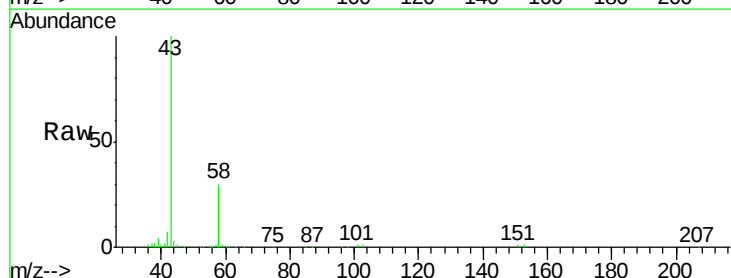
RT: 3.77 min Scan# 622

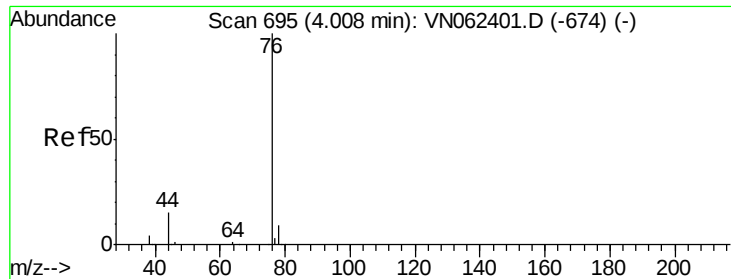
Delta R.T. -0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Tgt Ion:	43	Resp:	308282
Ion Ratio	Lower	Upper	
43	100		
58	30.1	23.5	35.3





#17

Carbon Disulfide

Concen: 50.109 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 347650

Ion Ratio Lower Upper

76 100

78 9.2

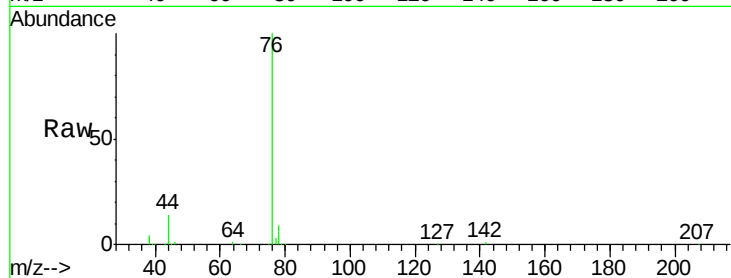
7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

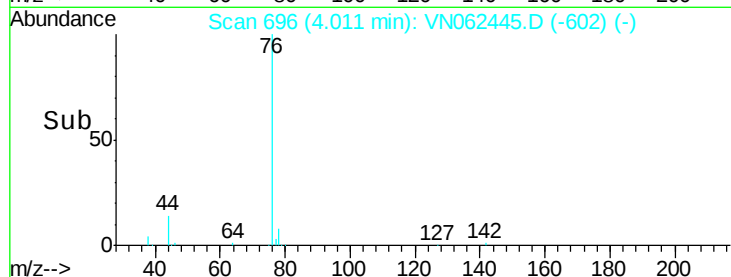
150000

100000

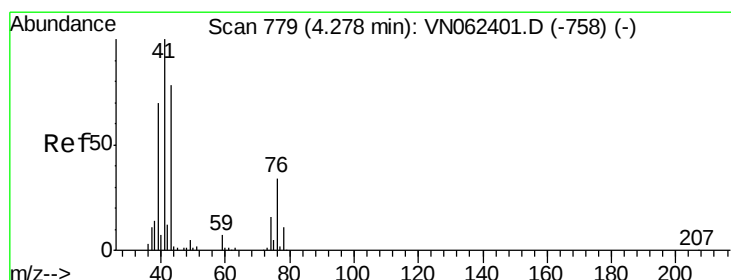
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 47.553 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

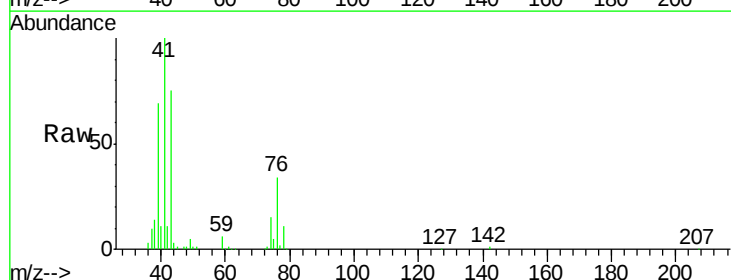
Tgt Ion: 43 Resp: 167168

Ion Ratio Lower Upper

43 100

74 20.2

16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

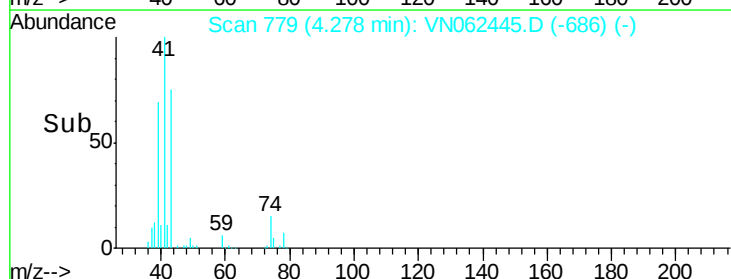
60000

40000

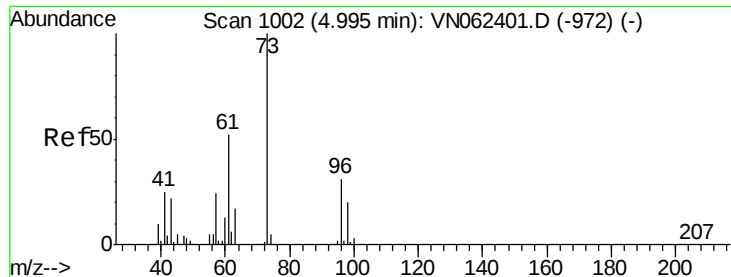
20000

0

Time-->



Time-->



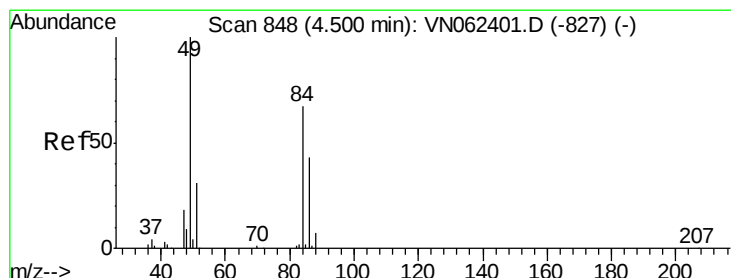
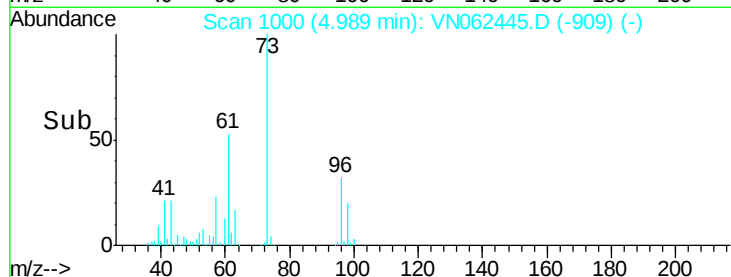
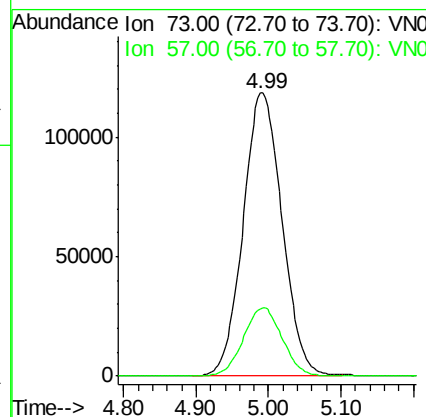
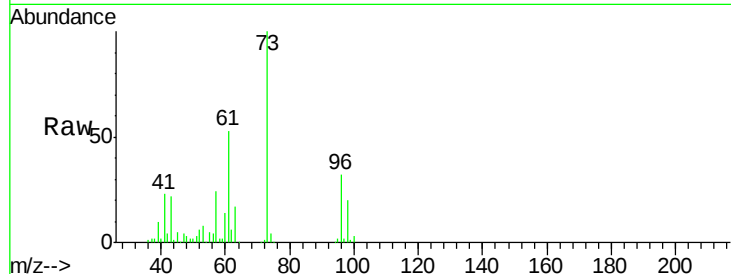
#19
Methvl tert-butvl Ether
Concen: 52.750 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.01 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 442803
Ion Ratio Lower Upper
73 100
57 23.9 19.4 29.0

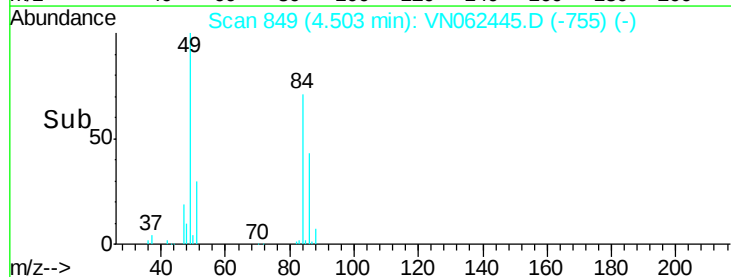
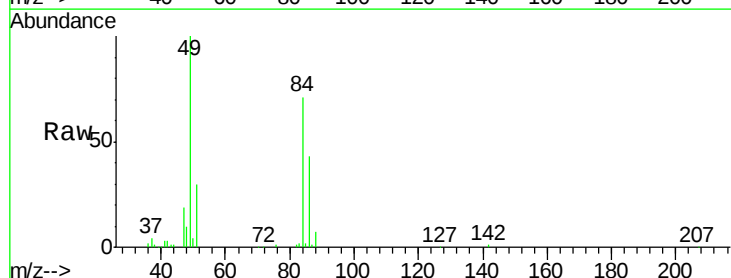
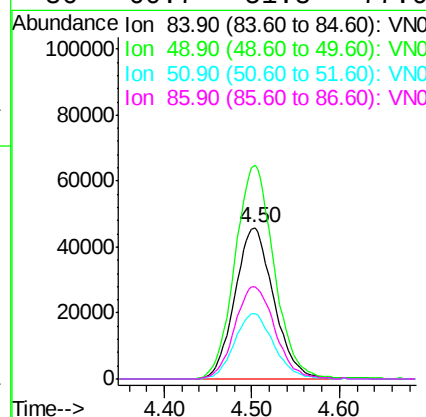
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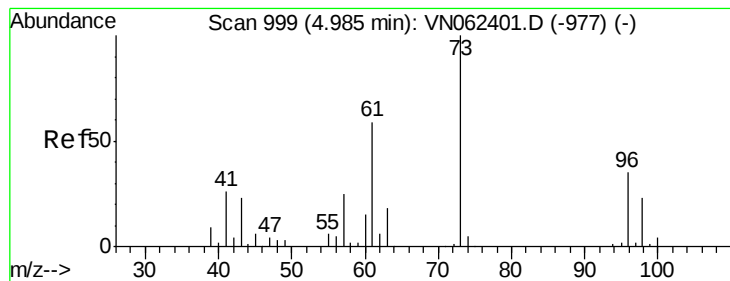
MMDadoda
7/9/2020 10:59:00 AM



#20
Methylene Chloride
Concen: 46.967 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion: 84 Resp: 141459
Ion Ratio Lower Upper
84 100
49 141.3 120.0 180.0
51 43.1 37.0 55.6
86 60.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.614 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

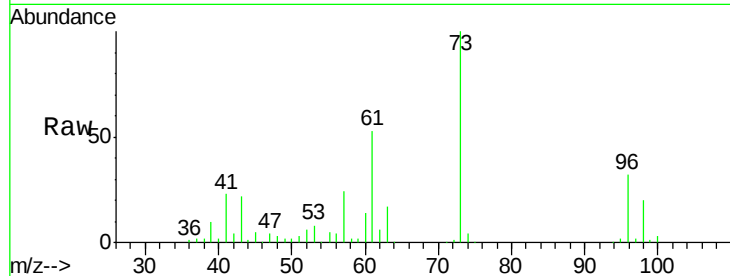
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	123803
Ion	Ratio	Lower	Upper
96	100		
61	165.2	133.5	200.3
98	63.8	51.9	77.9

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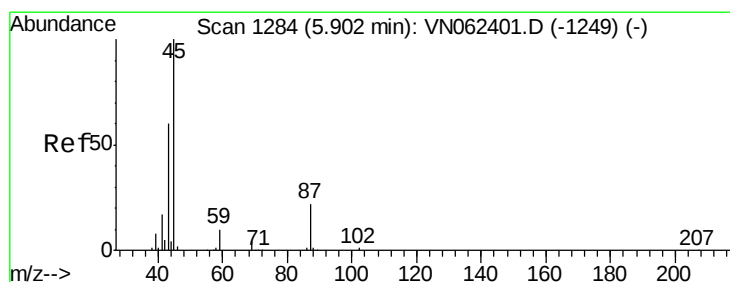
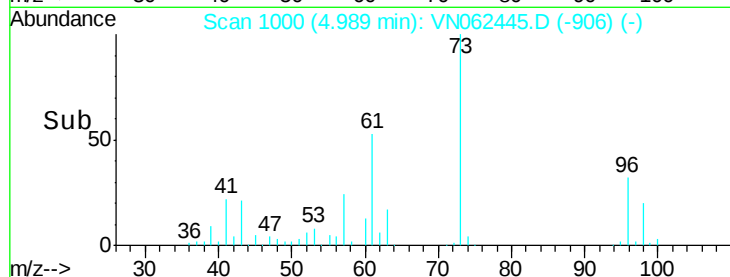
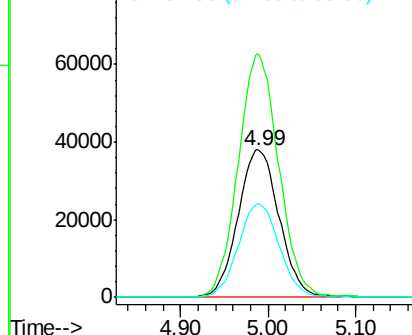


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.323 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Tgt Ion:	45	Resp:	528006
Ion	Ratio	Lower	Upper
45	100		
43	59.8	50.1	75.1
87	23.4	18.2	27.4
59	10.7	8.2	12.2

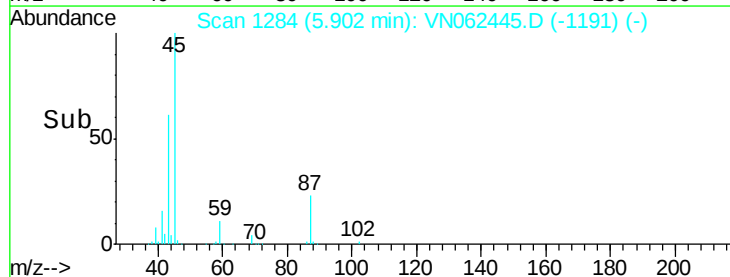
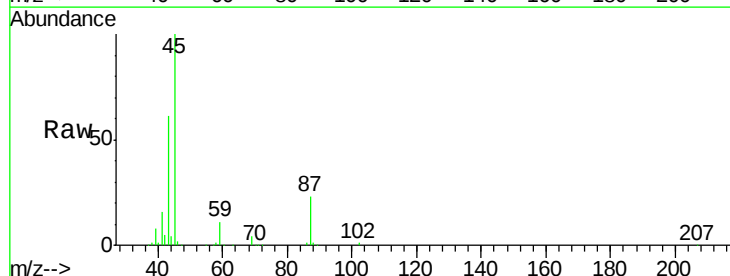
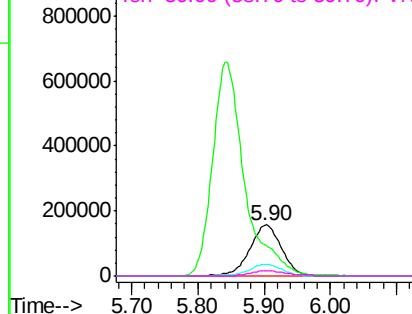
Abundance

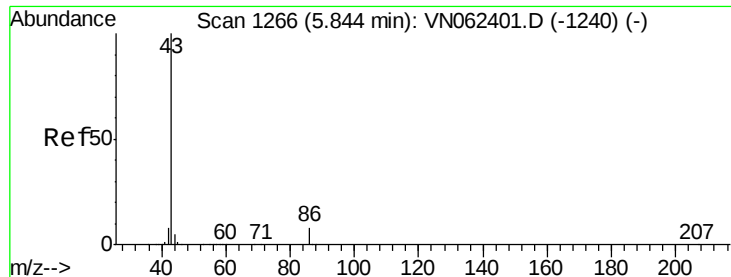
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 259.069 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2207876

Ion Ratio Lower Upper

43 100

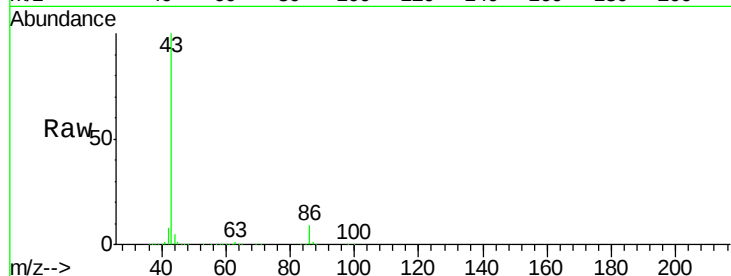
86 8.5 6.7 10.1

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

5.84

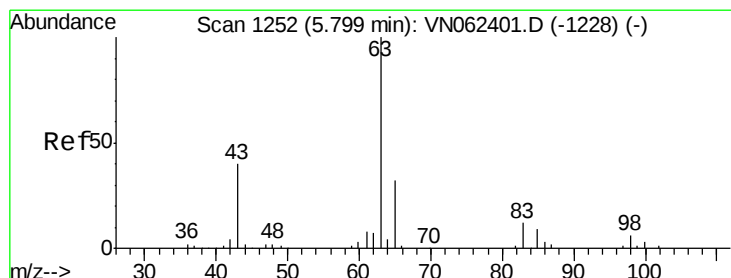
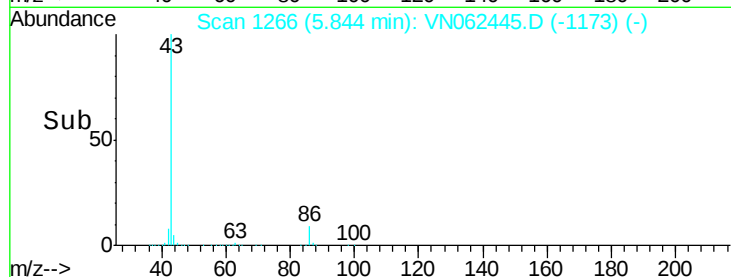
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 51.456 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

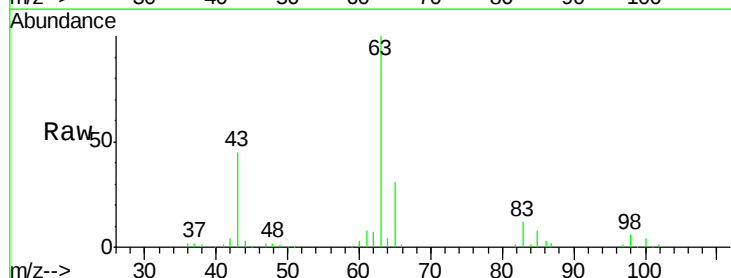
Tgt Ion: 63 Resp: 273550

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.8

100 4.0 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO

5.80

120000

100000

80000

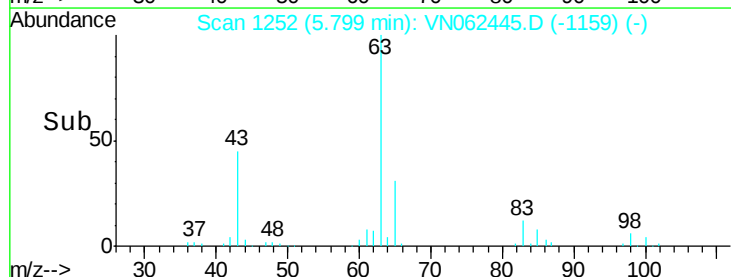
60000

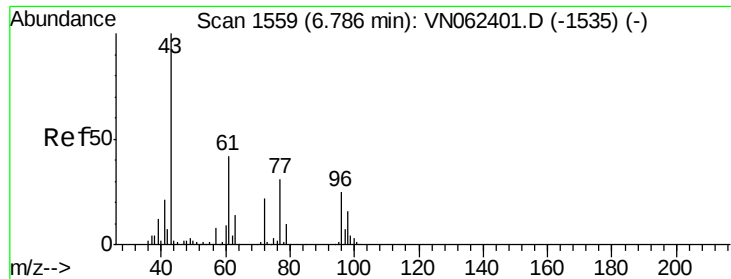
40000

20000

0

Time-->





#25

2-Butanone

Concen: 248.010 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Tot Ion: 43 Resp: 510222

Ion Ratio Lower Upper

43 100

72 23.2 17.9 26.9

Instrument :

MSVOA_N

ClientSampleId :

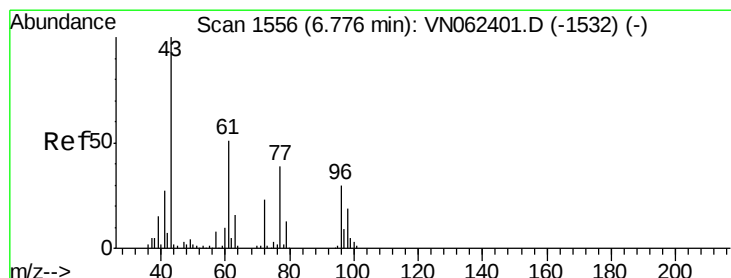
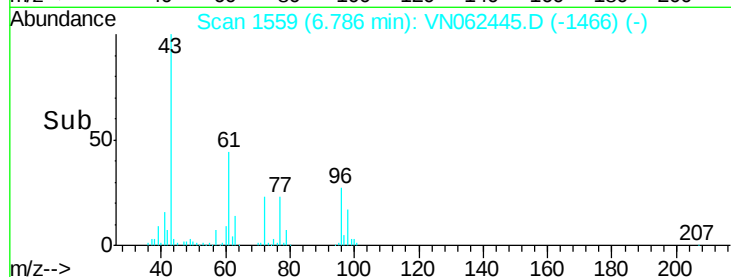
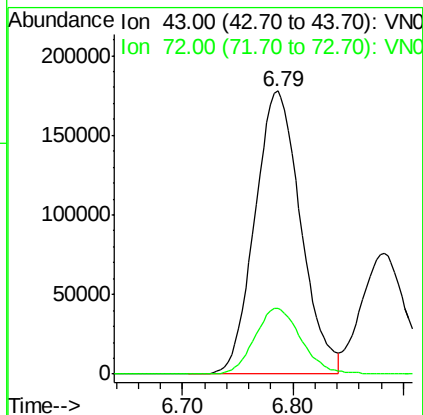
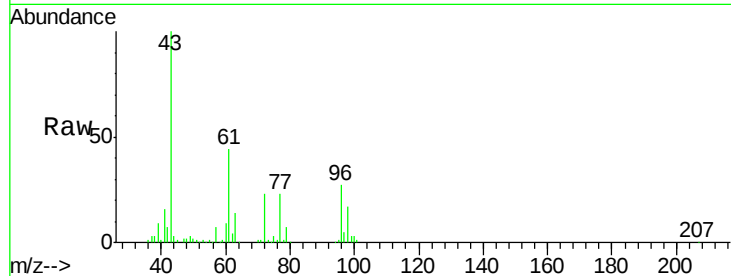
VSTDCCC050EC

Manual Integrations

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MMDadoda

7/9/2020 10:59:00 AM



#26

2,2-Dichloropropane

Concen: 36.994 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062445.D

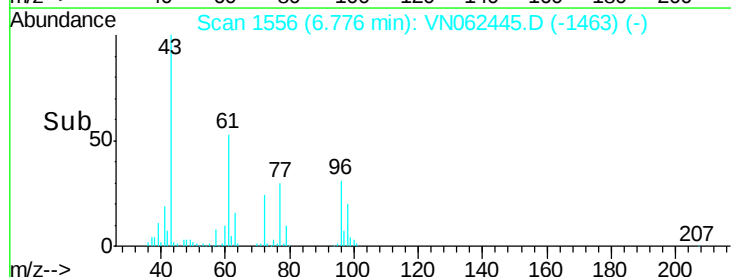
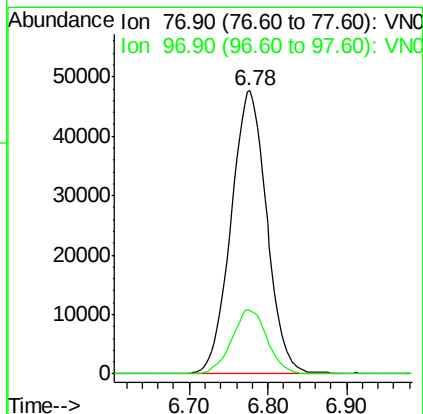
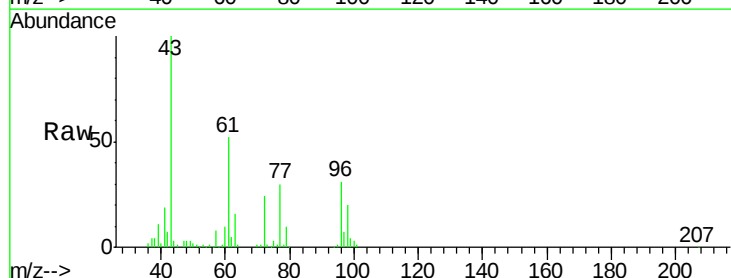
Acq: 9 Jul 2020 7:35

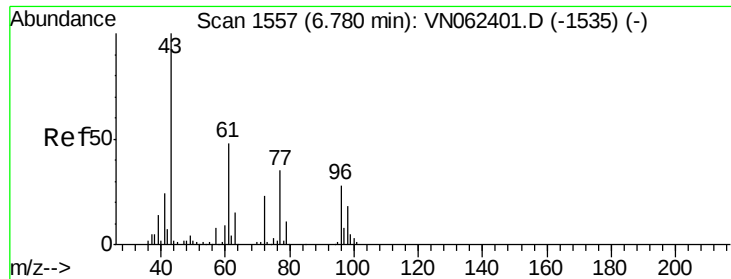
Tgt Ion: 77 Resp: 150793

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.9





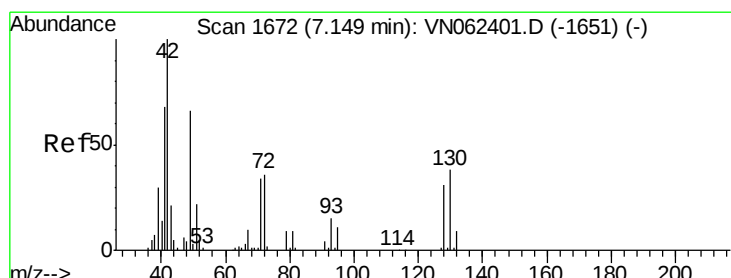
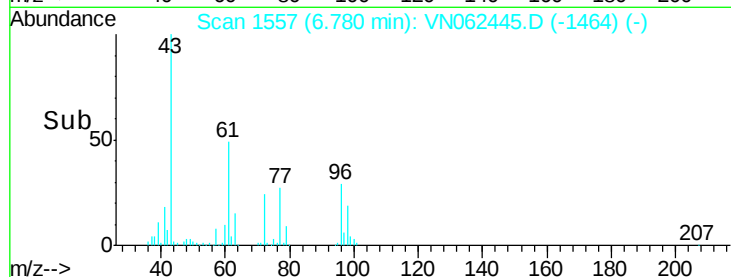
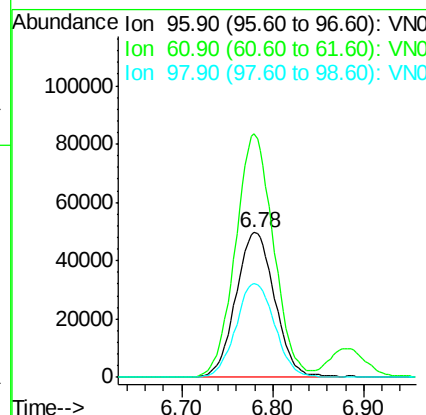
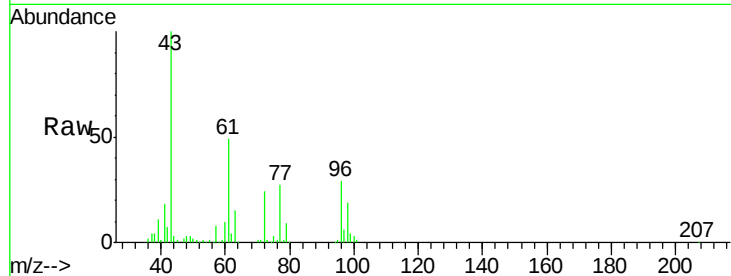
#27
 cis-1,2-Dichloroethene
 Concen: 53.116 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	147573		
61	164.1	0.0	343.4	
98	64.8	0.0	128.4	

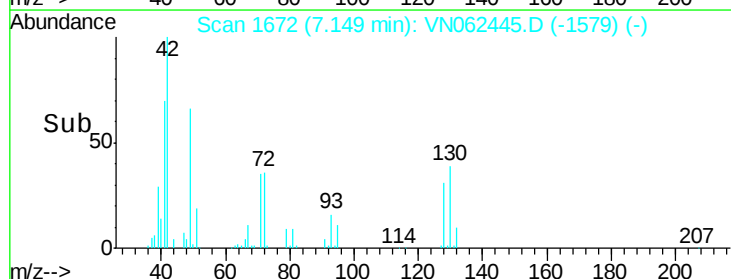
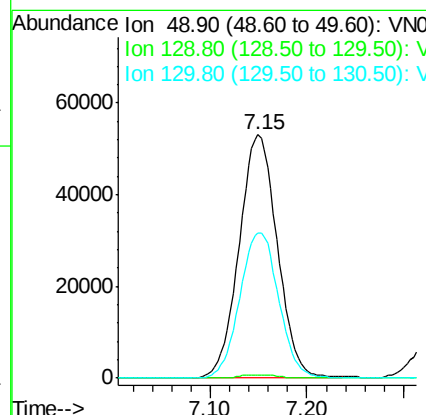
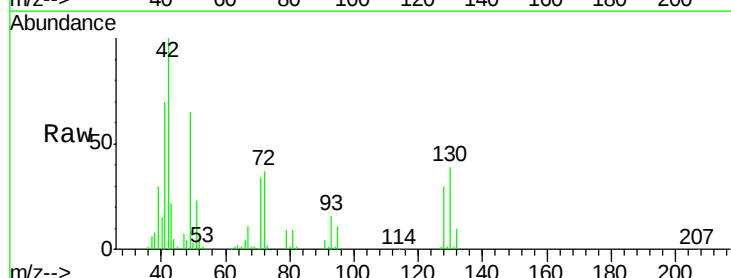
Manual Integrations
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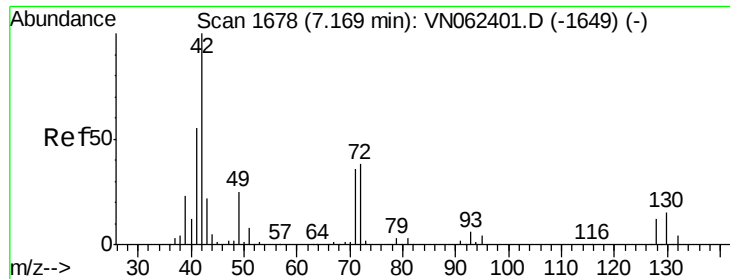
MMDadoda
 7/9/2020 10:59:00 AM



#28
 Bromochloromethane
 Concen: 50.546 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	145988		
129	1.3	0.0	2.8	
130	60.6	46.5	69.7	





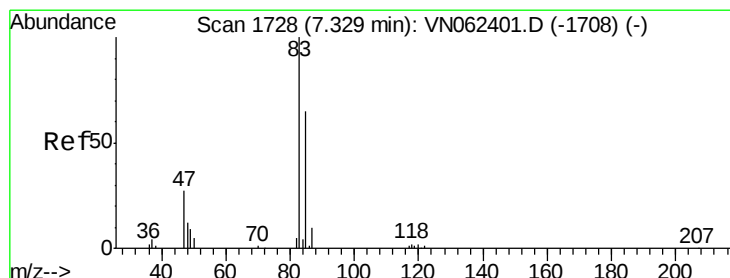
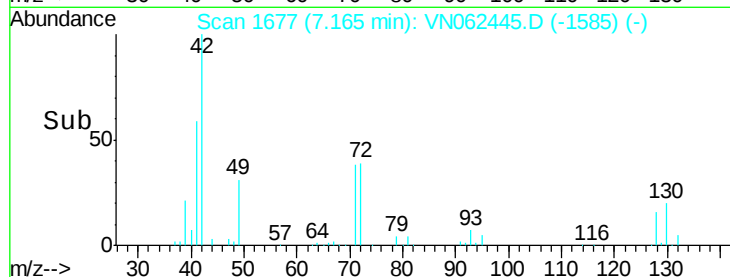
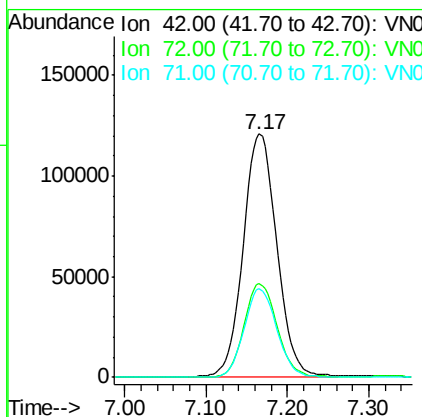
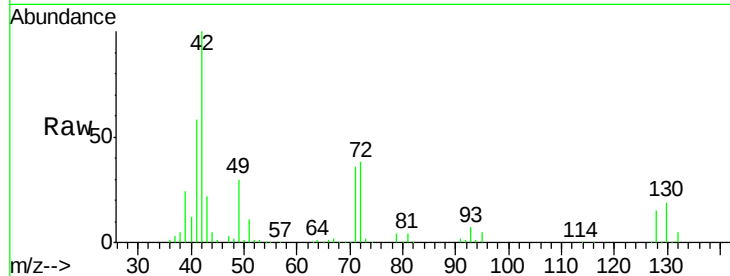
#29
Tetrahydrofuran
Concen: 249.349 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	29.1	43.7
71	35.3	28.1	42.1

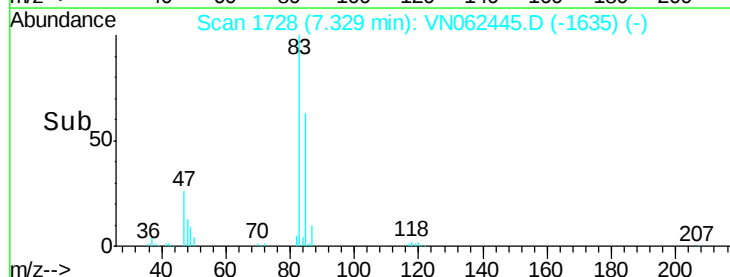
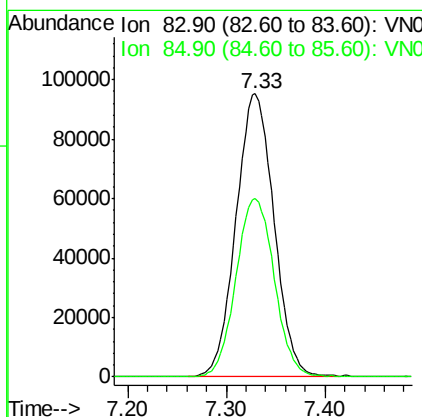
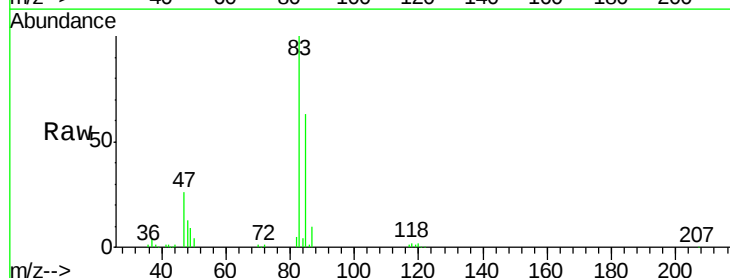
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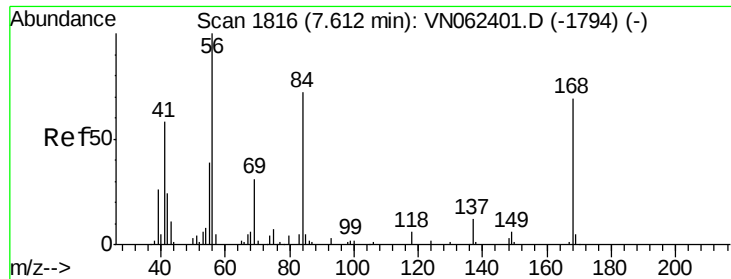
MMDadoda
7/9/2020 10:59:00 AM



#30
Chloroform
Concen: 53.029 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6





#31

Cyclohexane

Concen: 48.070 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 242263

Ion Ratio Lower Upper

56 100

69 30.2 24.5 36.7

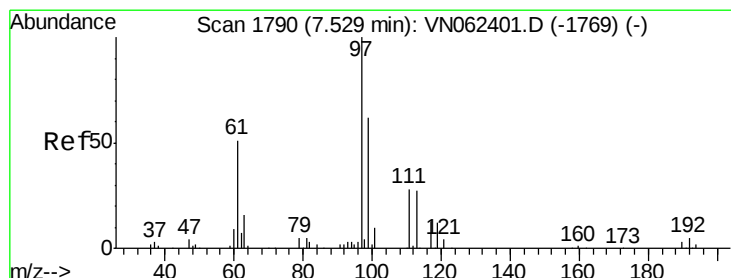
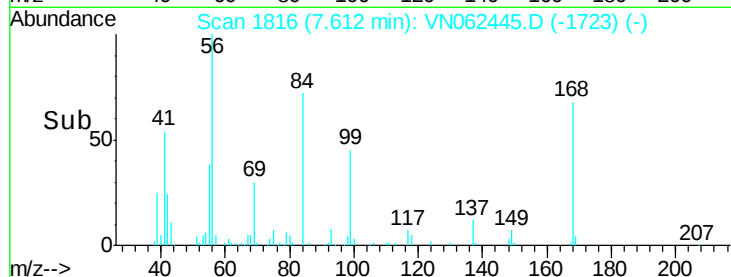
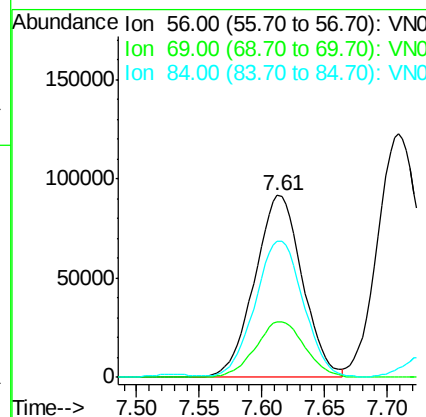
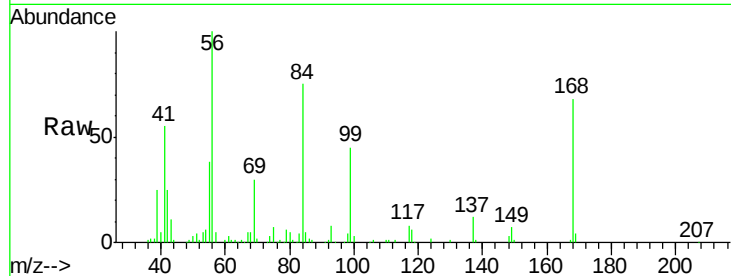
84 73.4 57.4 86.2

Manual Integrations

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MMDadoda

7/9/2020 10:59:00 AM



#32

1,1,1-Trichloroethane

Concen: 52.822 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

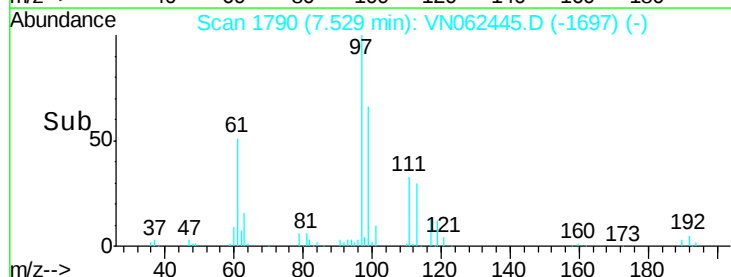
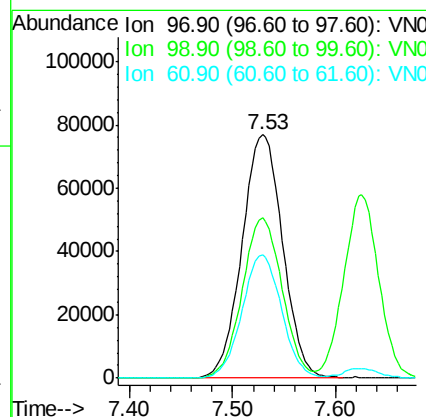
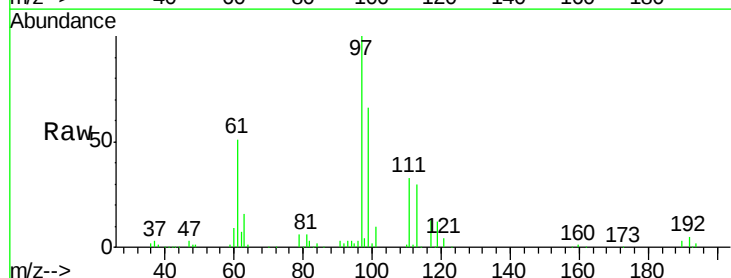
Tgt Ion: 97 Resp: 210902

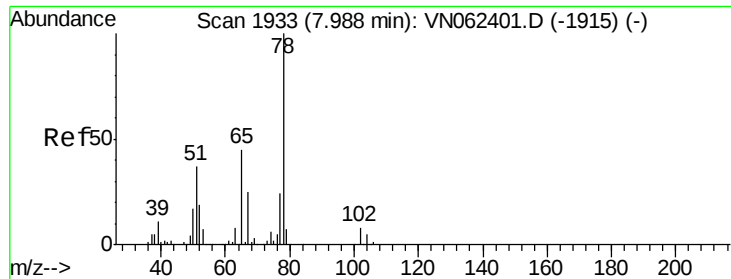
Ion Ratio Lower Upper

97 100

99 64.6 50.4 75.6

61 49.2 39.9 59.9





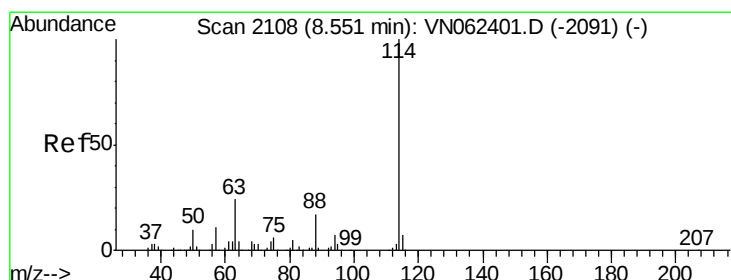
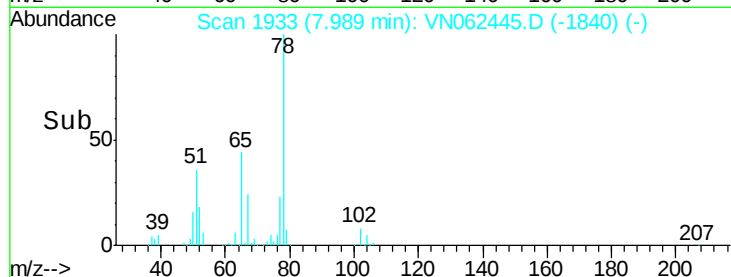
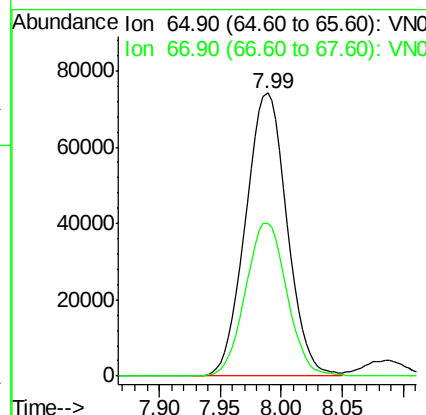
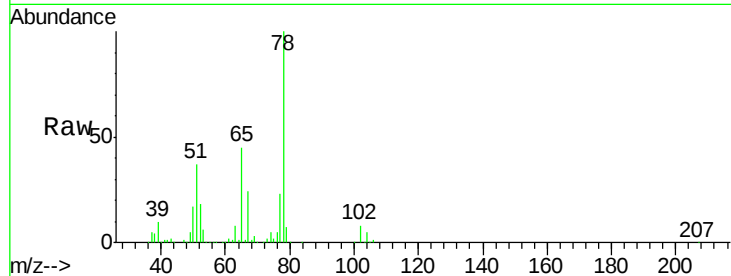
#33
 1,2-Dichloroethane-d4
 Concen: 52.658 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	174719		
67	54.1	0.0	107.6	

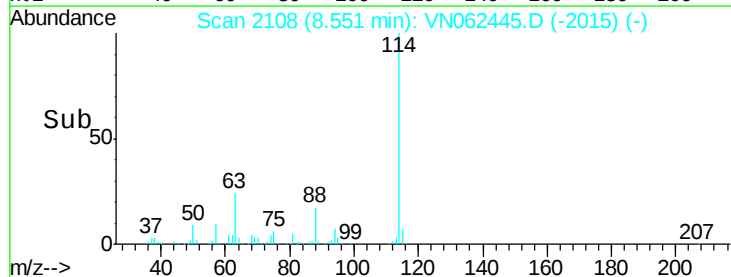
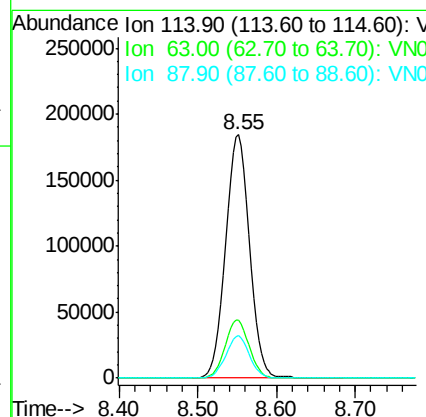
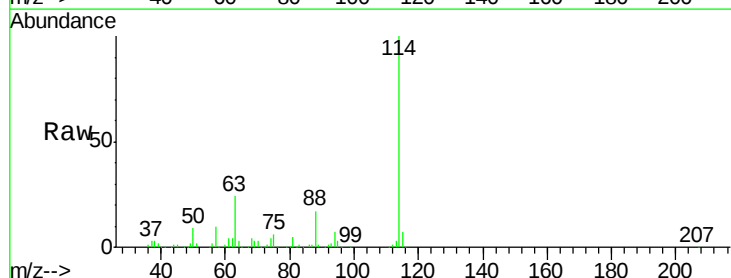
Manual Integrations
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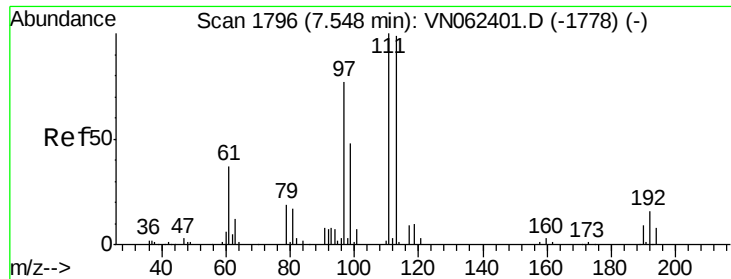
MMDadoda
 7/9/2020 10:59:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	385659		
63	23.6	0.0	48.4	
88	17.4	0.0	33.8	





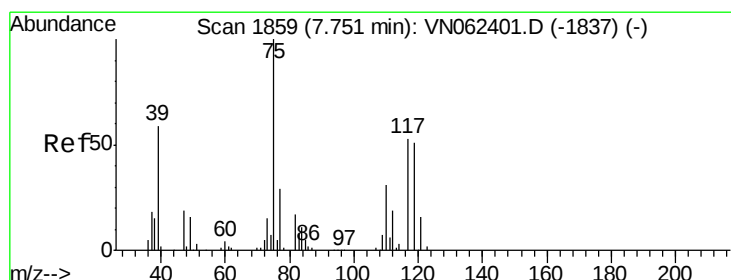
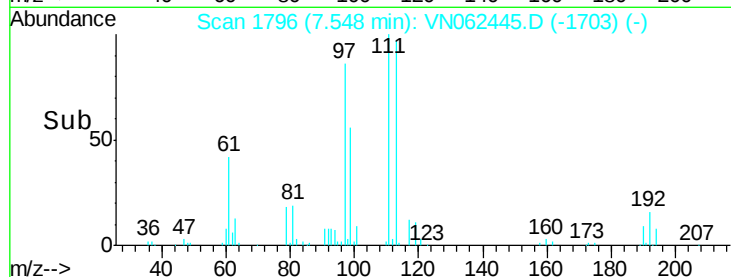
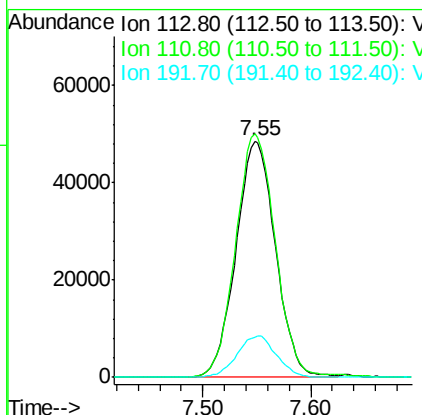
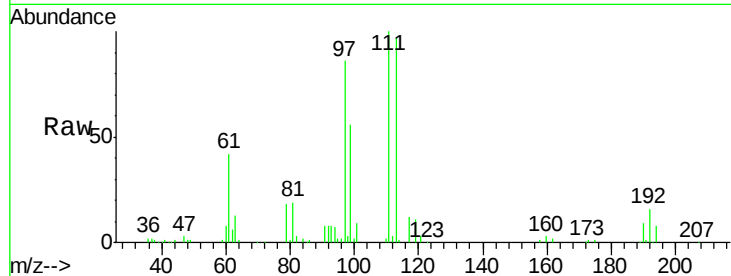
#35
 Dibromofluoromethane
 Concen: 51.917 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.1	124.7
192	17.6	14.1	21.1

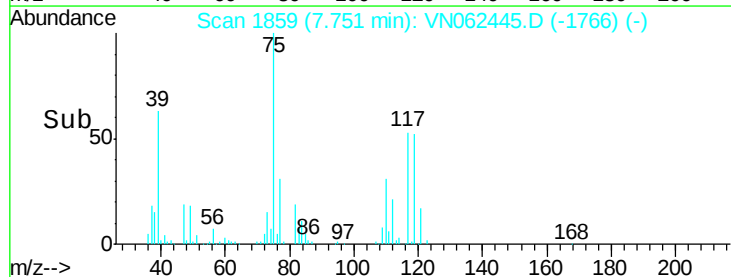
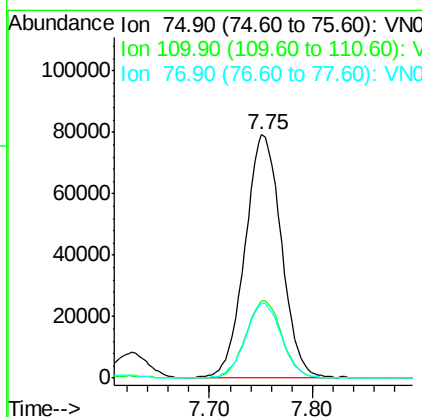
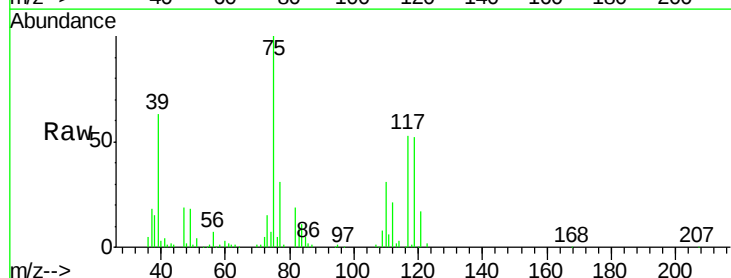
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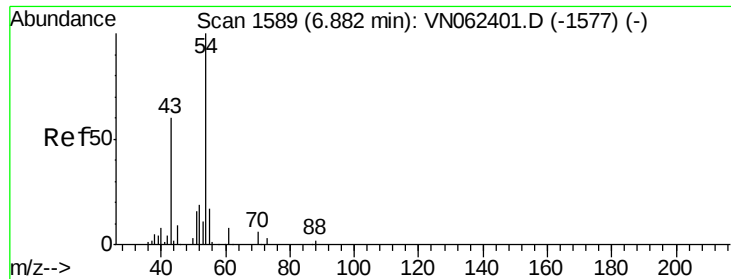
MMDadoda
 7/9/2020 10:59:00 AM



#36
 1,1-Dichloropropene
 Concen: 49.974 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.4	15.4	46.2
77	30.7	24.1	36.1





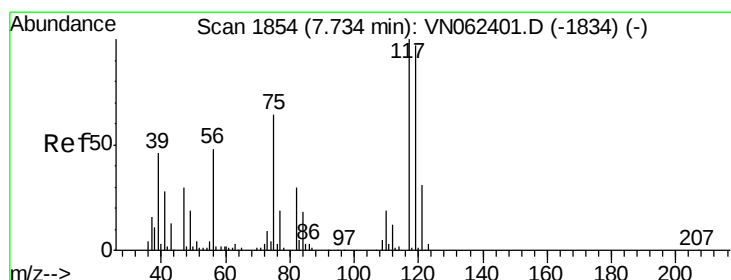
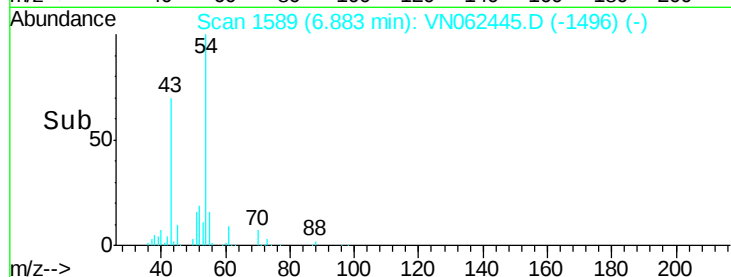
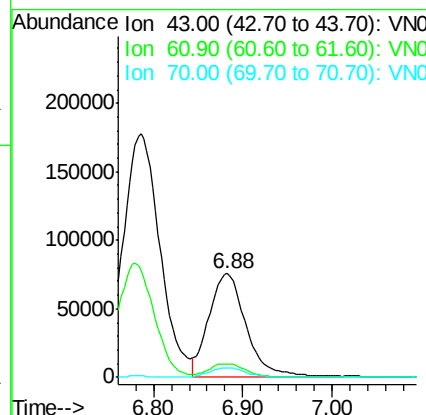
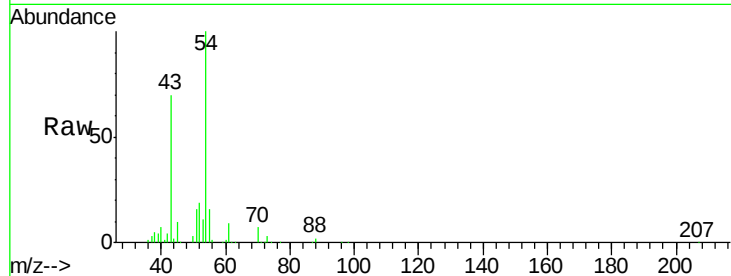
#37
Ethyl Acetate
Concen: 47.459 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.7	16.1
70	9.3	7.2	10.8

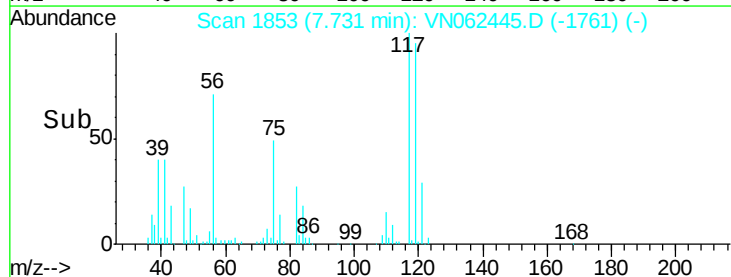
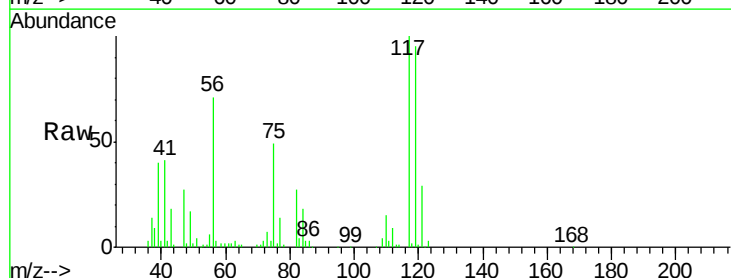
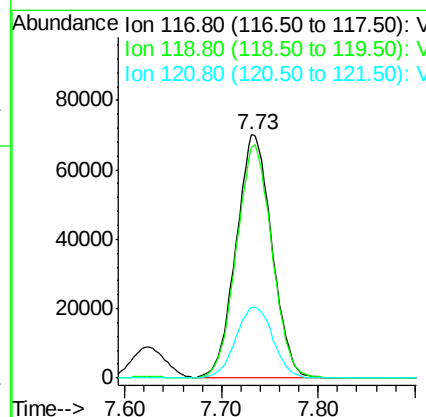
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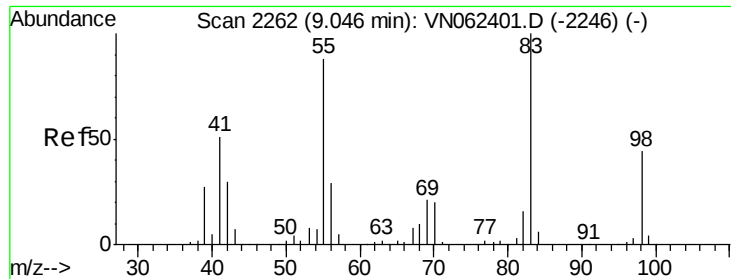
MMDadoda
7/9/2020 10:59:00 AM



#38
Carbon Tetrachloride
Concen: 51.334 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.2	115.8
121	29.0	24.8	37.2





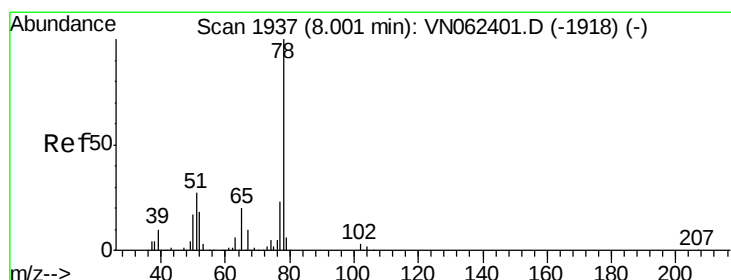
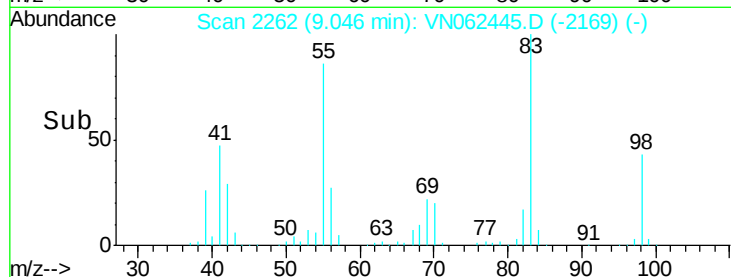
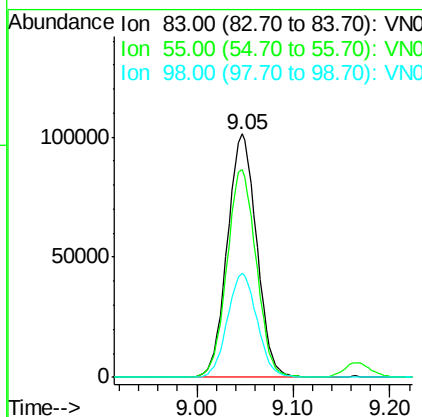
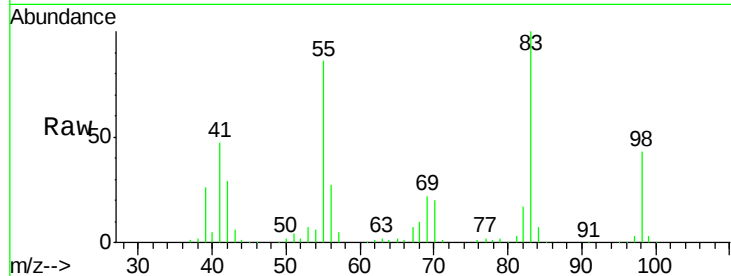
#39
Methvlcvclohexane
Concen: 51.383 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	213143
Ion Ratio	Lower	Upper	
83	100		
55	85.6	70.5	105.7
98	42.5	35.5	53.3

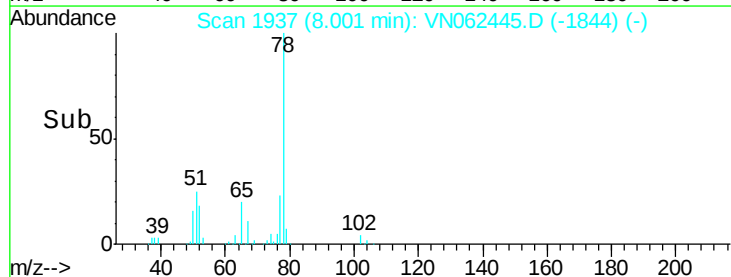
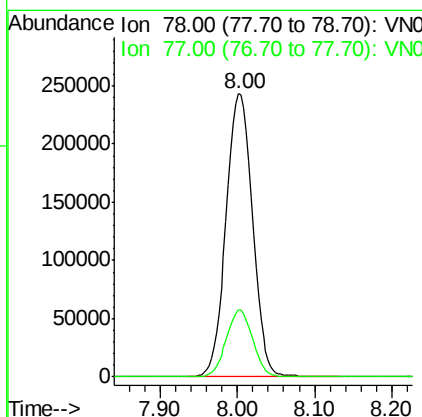
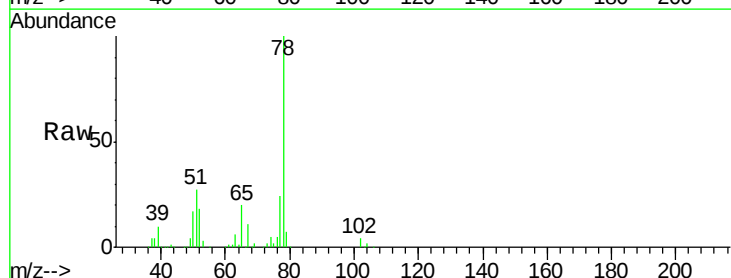
Manual Integrations
APPROVED

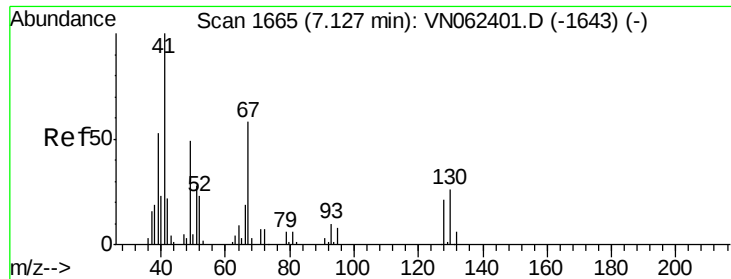
MMDadoda
7/9/2020 10:59:00 AM



#40
Benzene
Concen: 50.495 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion	78	Resp	578241
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.7	28.1





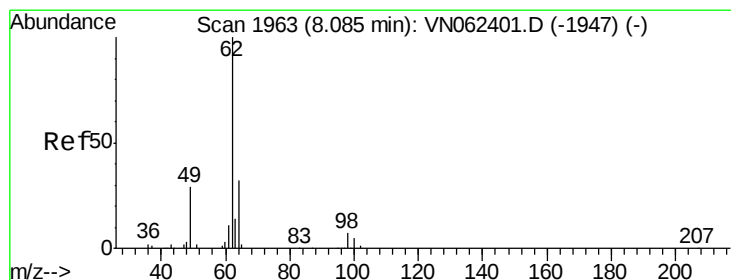
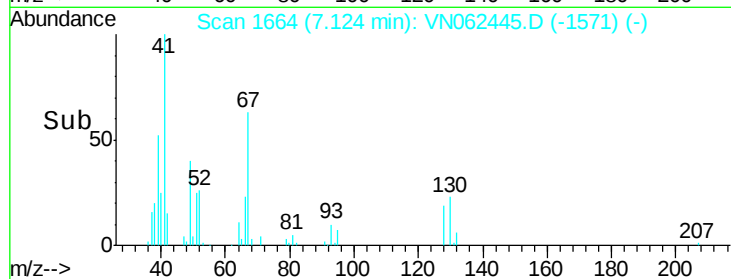
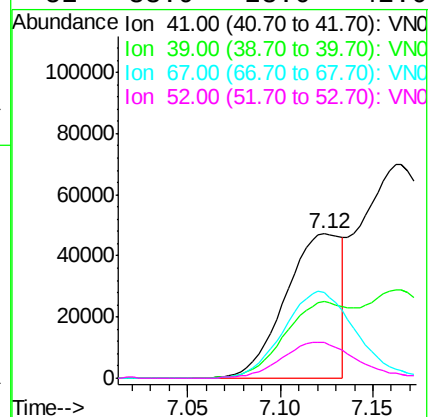
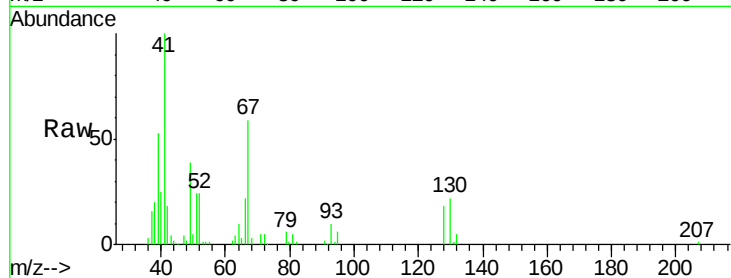
#41
Methacrylonitrile
Concen: 52.437 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		99538		
39	61.9	50.2	75.2		
67	78.5	64.2	96.2		
52	33.9	28.0	42.0		

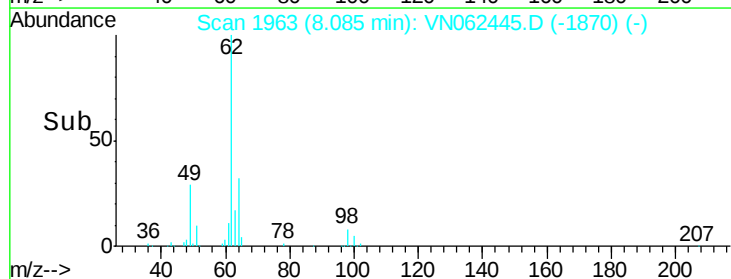
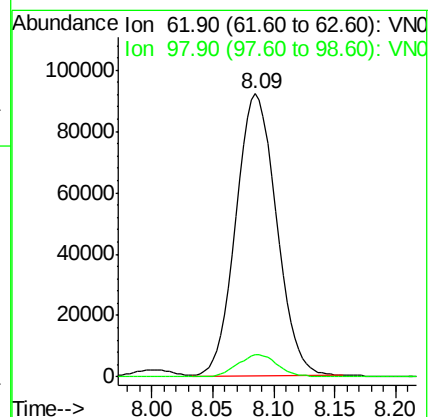
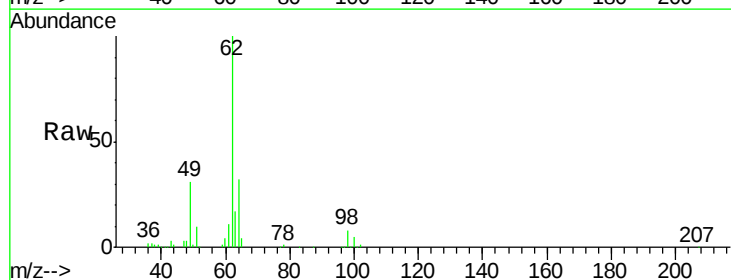
Manual Integrations
APPROVED

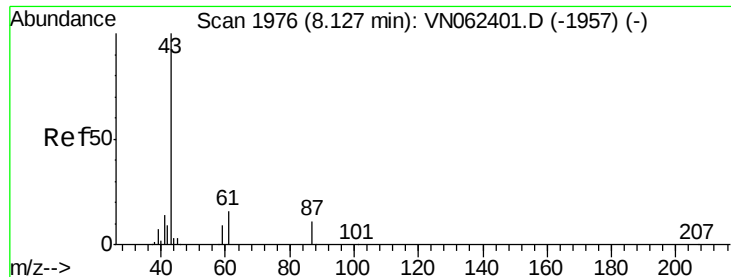
MMDadoda
7/9/2020 10:59:00 AM



#42
1,2-Dichloroethane
Concen: 50.664 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		212437		
98	7.8	0.0	15.8		





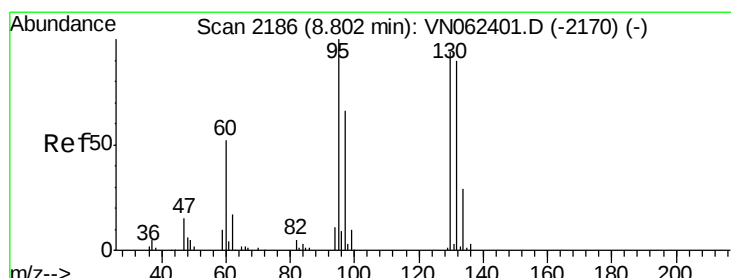
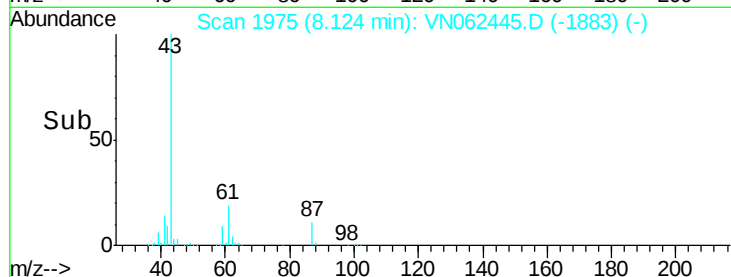
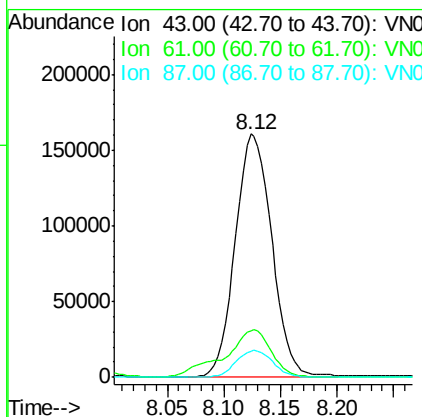
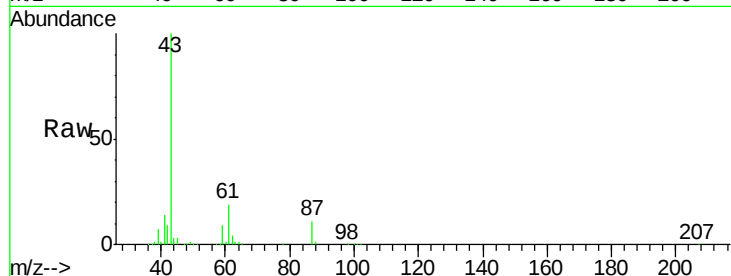
#43
Isopropyl Acetate
Concen: 50.496 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	362416
Ion	Ratio	Lower	Upper
43	100		
61	25.3	19.3	28.9
87	11.3	8.6	13.0

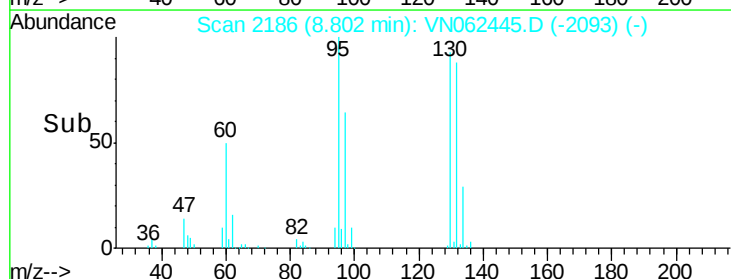
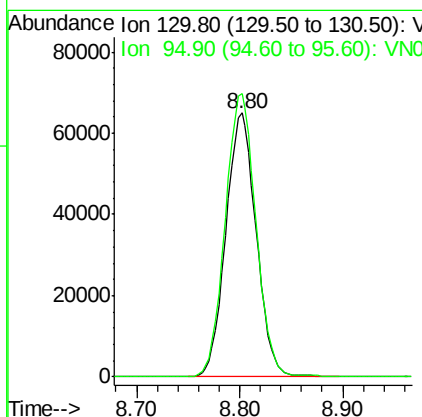
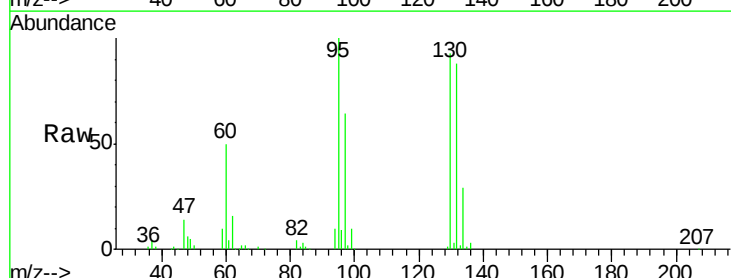
Manual Integrations
APPROVED

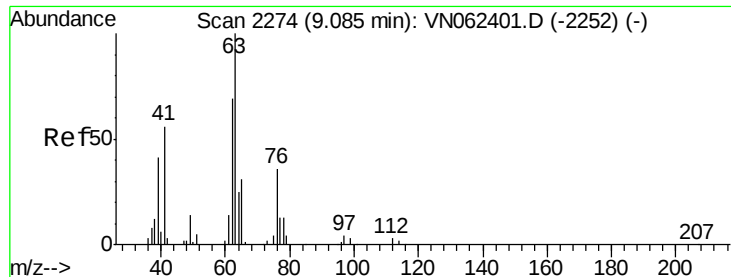
MMDadoda
7/9/2020 10:59:00 AM



#44
Trichloroethene
Concen: 52.479 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion:	130	Resp:	133335
Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	213.8





#45

1,2-Dichloropropane

Concen: 50.267 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 167101

Ion Ratio Lower Upper

63 100

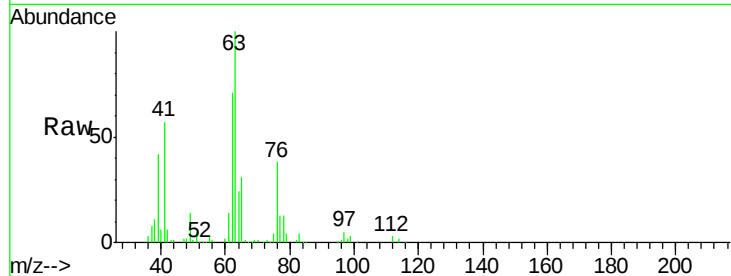
65 31.3 24.6 36.8

Manual Integrations

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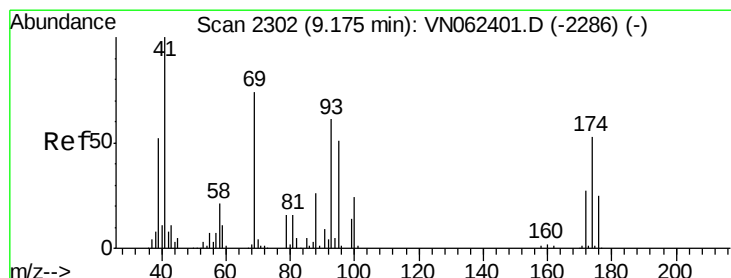
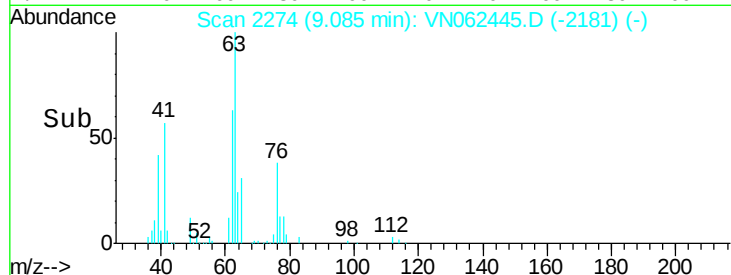
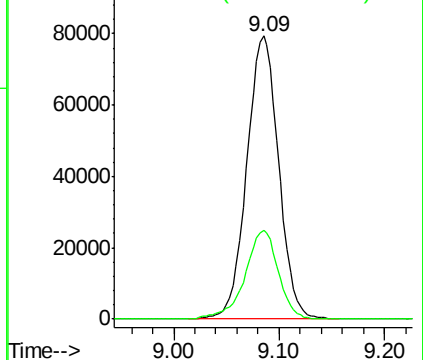
MMDadoda

7/9/2020 10:59:00 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 51.387 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

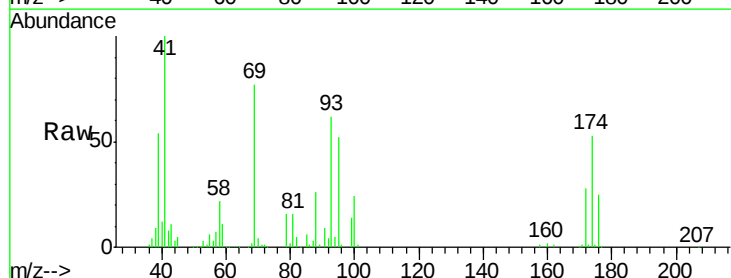
Tgt Ion: 93 Resp: 96401

Ion Ratio Lower Upper

93 100

95 82.9 67.1 100.7

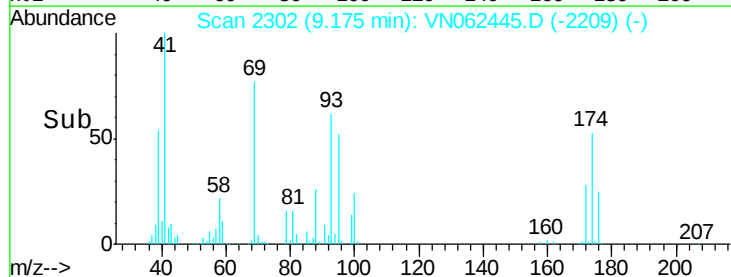
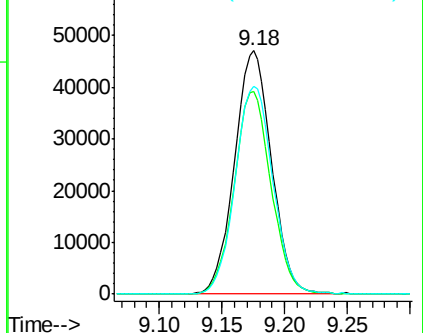
174 87.3 70.4 105.6

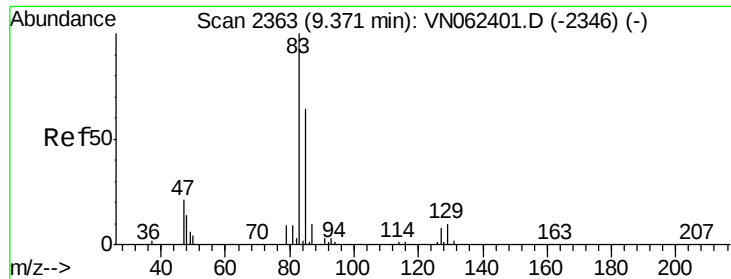


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 51.642 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

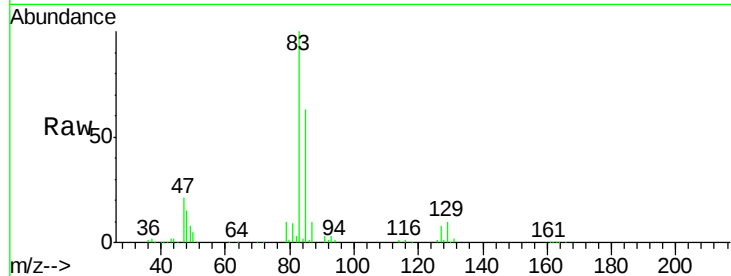
ClientSampleId :

VSTDCCC050EC

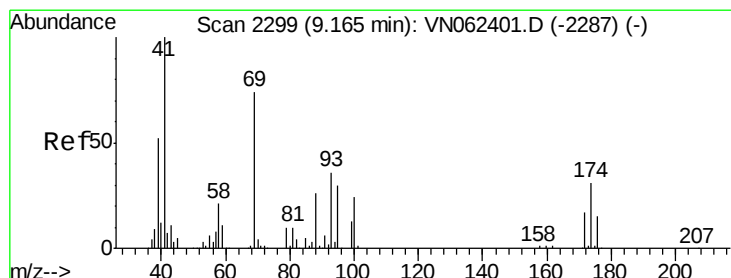
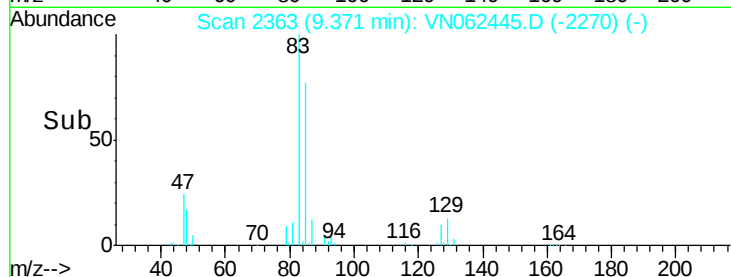
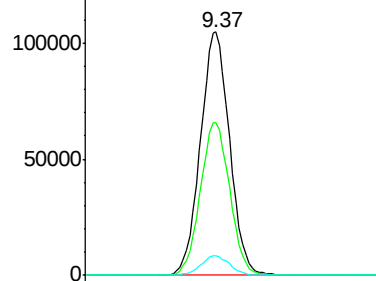
Tot Ion:	83	Resp:	207122
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.2	76.8
127	7.8	6.2	9.2

Manual Integrations
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7/9/2020 10:59:00 AM



Abundance Ion 82.90 (82.60 to 83.60): VN062445.D (-2270) (-)



#48

Methyl methacrylate

Concen: 49.976 ug/l

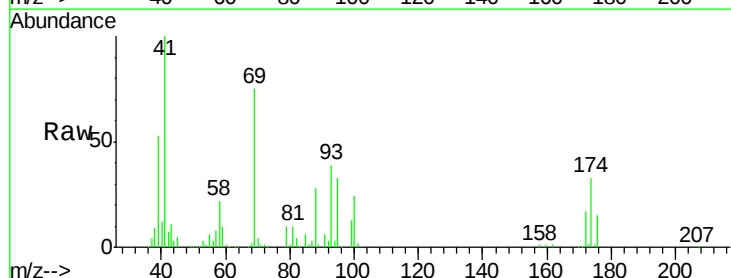
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

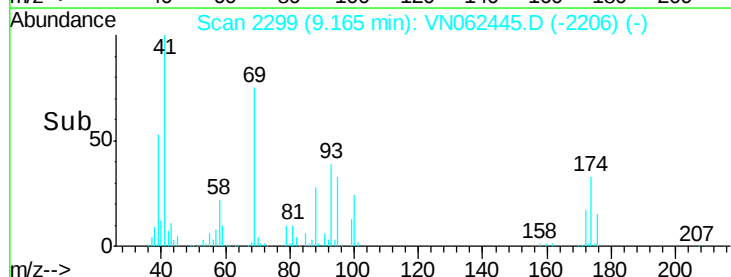
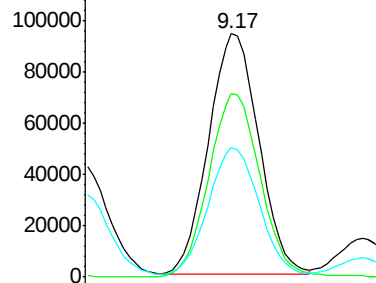
Lab File: VN062445.D

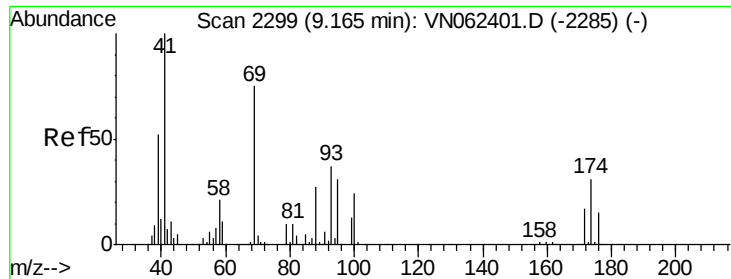
Acq: 9 Jul 2020 7:35

Tgt Ion:	41	Resp:	175947
Ion Ratio	Lower	Upper	
41	100		
69	78.3	60.8	91.2
39	55.4	43.5	65.3



Abundance Ion 41.00 (40.70 to 41.70): VN062445.D (-2206) (-)





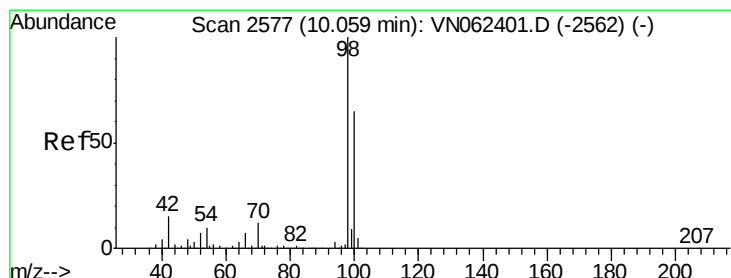
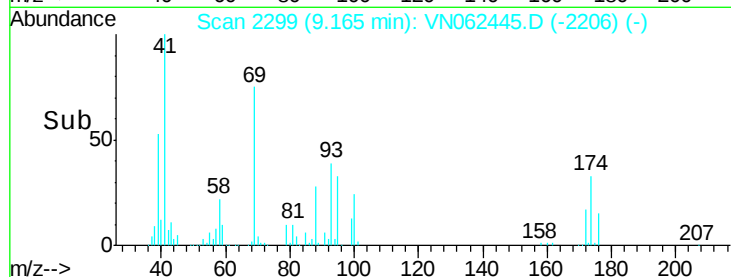
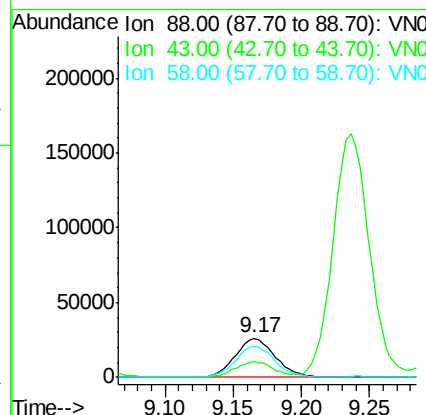
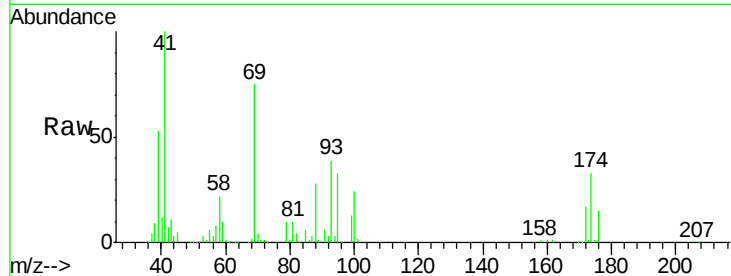
#49
1,4-Dioxane
Concen: 1033.599 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.0		31.0	46.4
58	78.5		63.3	94.9

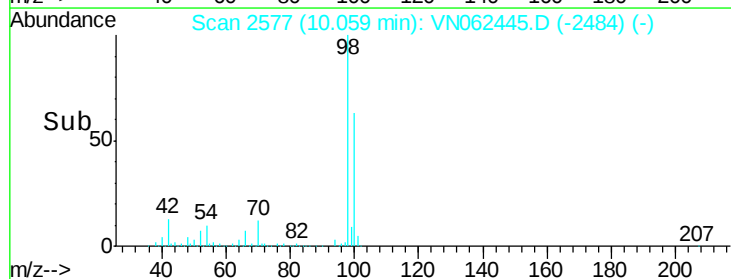
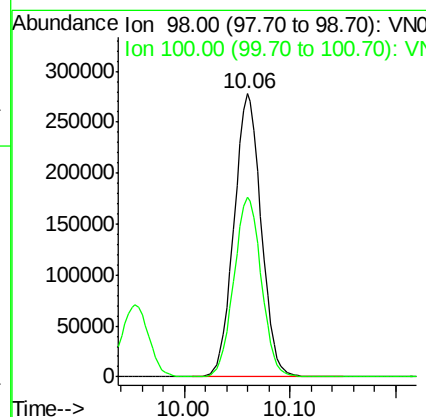
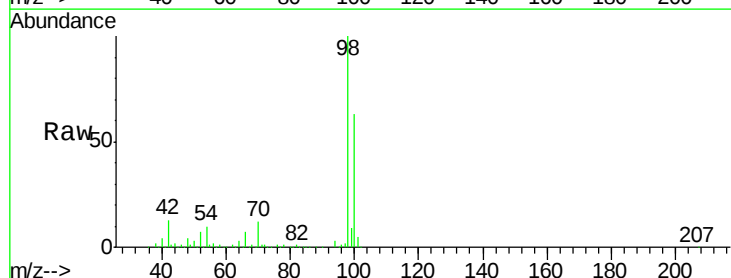
Manual Integrations
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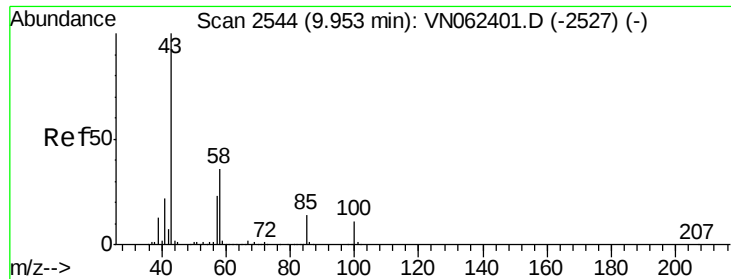
MMDadoda
7/9/2020 10:59:00 AM



#50
Toluene-d8
Concen: 52.596 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.3		51.5	77.3





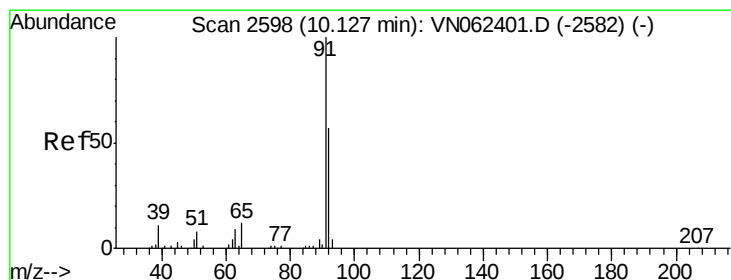
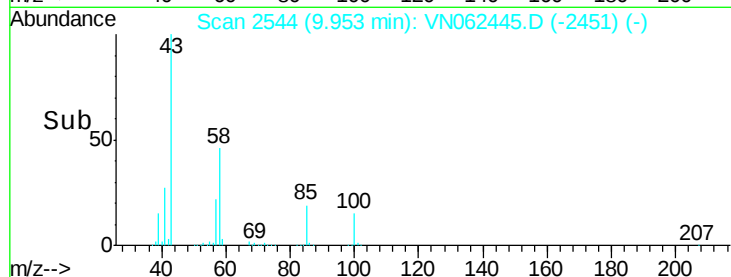
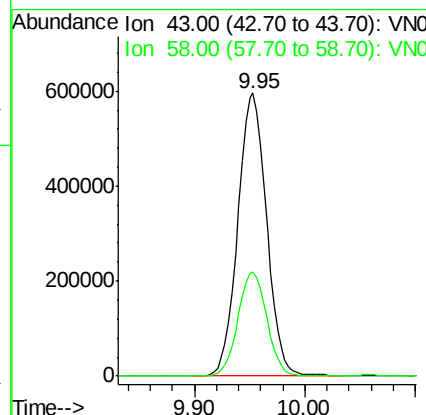
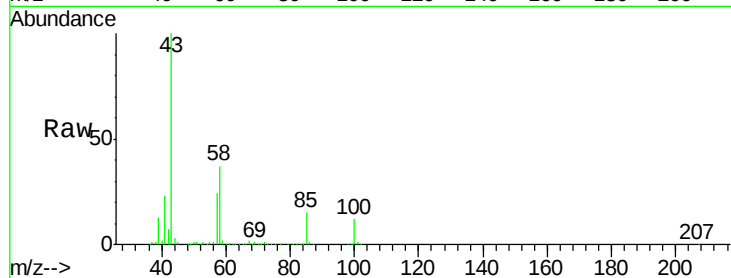
#51
 4-Methyl-2-Pentanone
 Concen: 250.384 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1073343
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.0 43.6

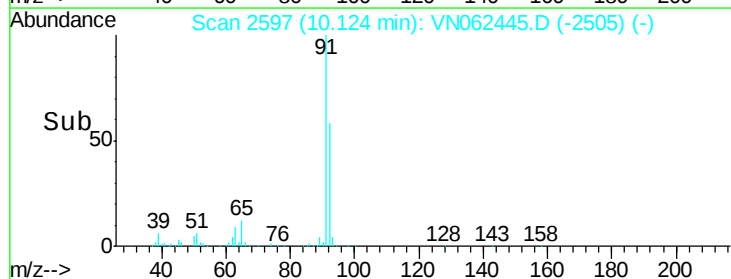
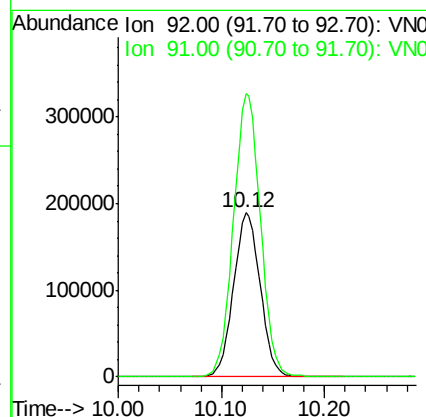
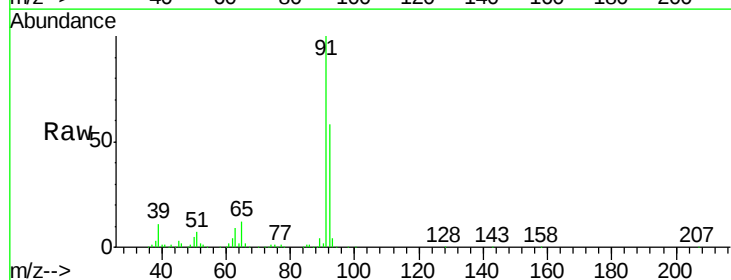
Manual Integrations
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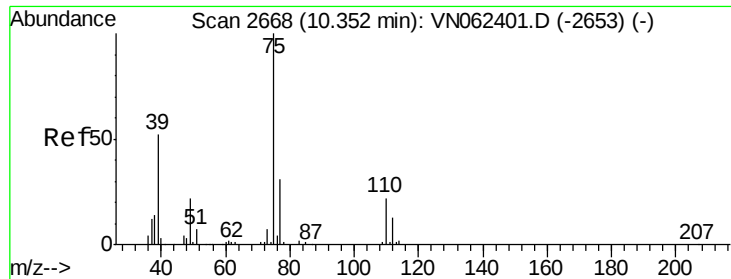
MMDadoda
 7/9/2020 10:59:00 AM



#52
 Toluene
 Concen: 51.696 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion: 92 Resp: 341942
 Ion Ratio Lower Upper
 92 100
 91 174.5 141.0 211.6





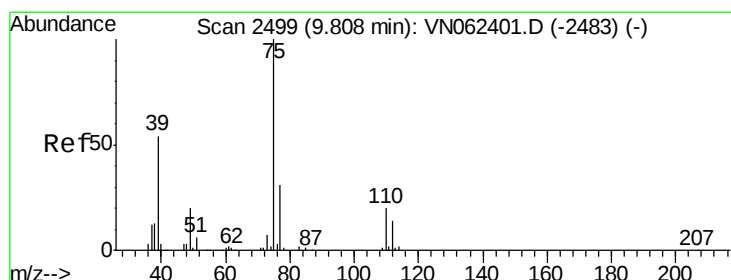
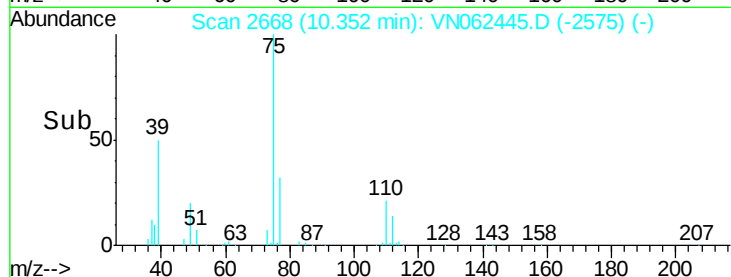
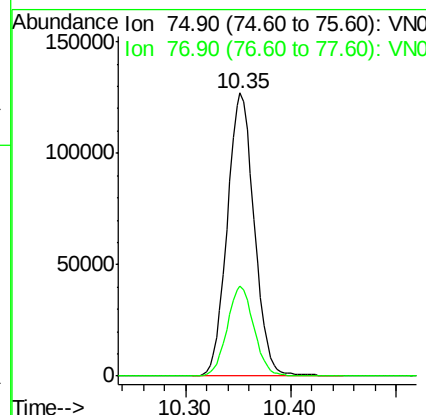
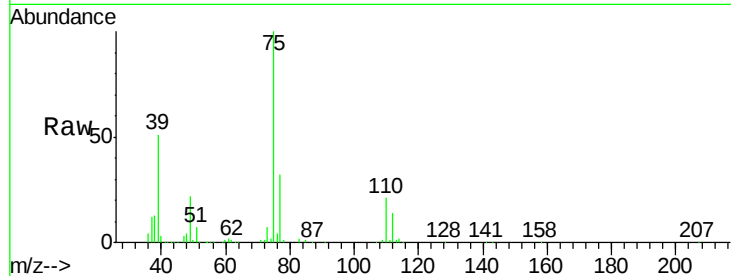
#53
t-1,3-Dichloropropene
Concen: 50.023 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 224773
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8

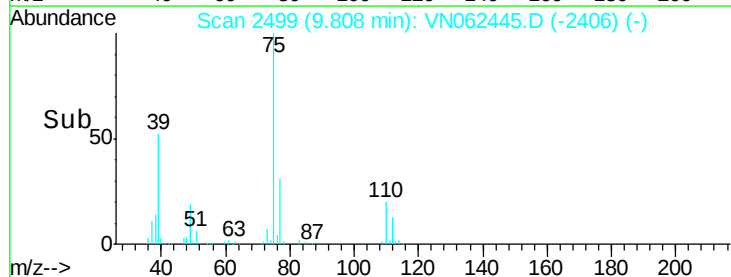
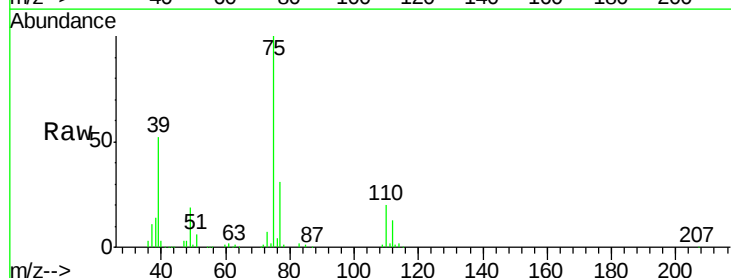
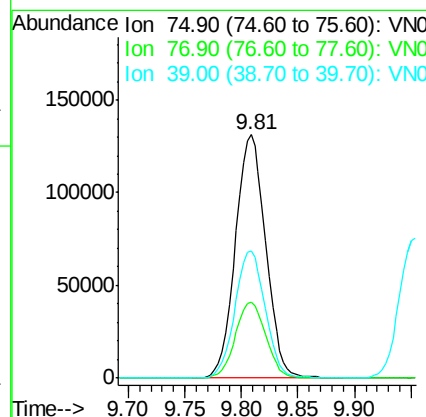
Manual Integrations
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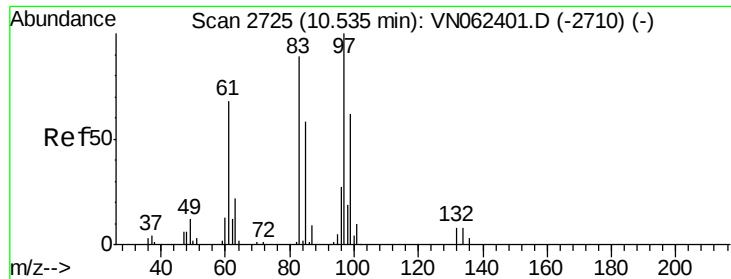
MMDadoda
7/9/2020 10:59:00 AM



#54
cis-1,3-Dichloropropene
Concen: 49.489 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion: 75 Resp: 245358
Ion Ratio Lower Upper
75 100
77 31.1 24.5 36.7
39 52.4 43.4 65.0





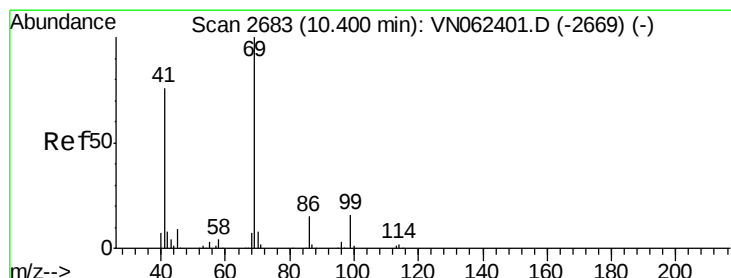
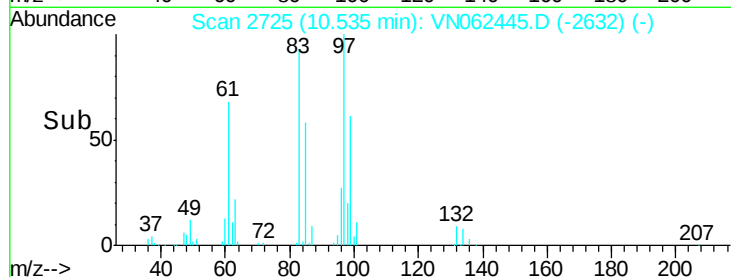
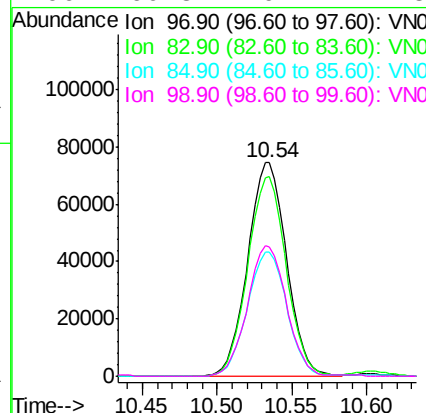
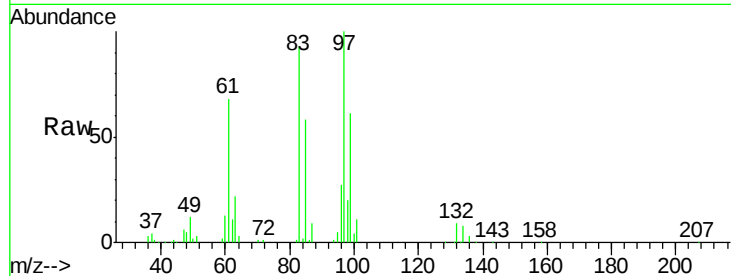
#55
 1,1,2-Trichloroethane
 Concen: 51.890 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		134991		
83	93.5	71.0	106.4		
85	58.4	46.2	69.4		
99	60.8	49.7	74.5		

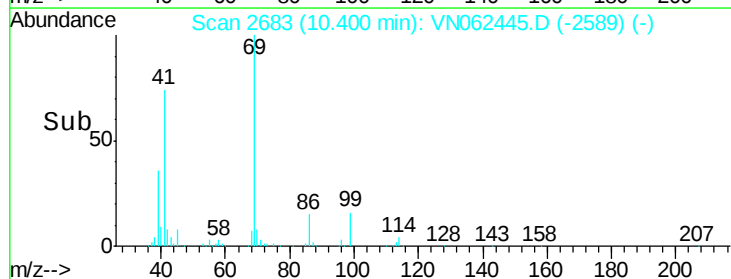
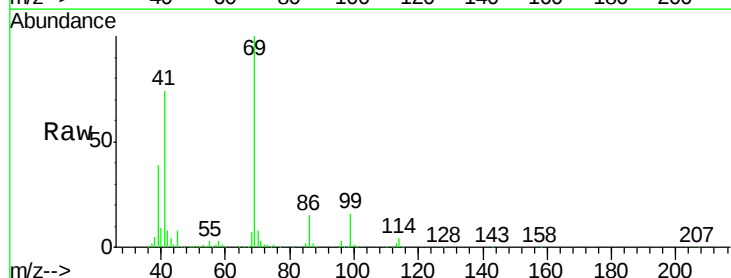
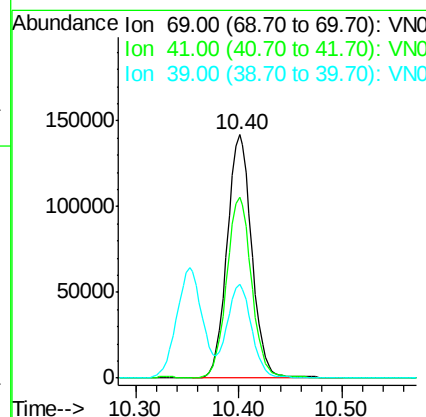
Manual Integrations
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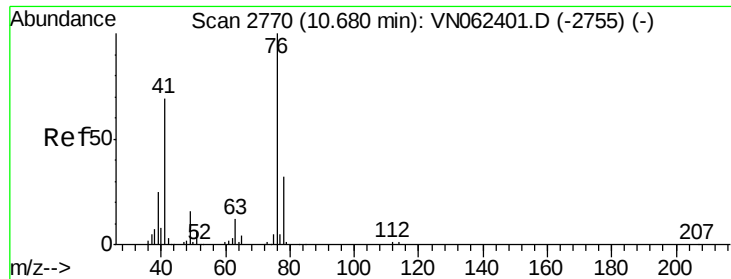
MMDadoda
 7/9/2020 10:59:00 AM



#56
 Ethyl methacrylate
 Concen: 49.522 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		237011		
41	74.5	59.7	89.5		
39	38.3	30.6	45.8		





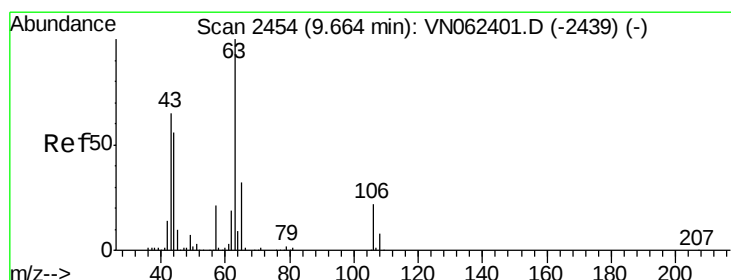
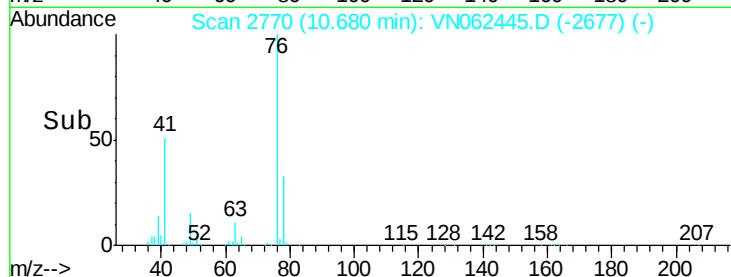
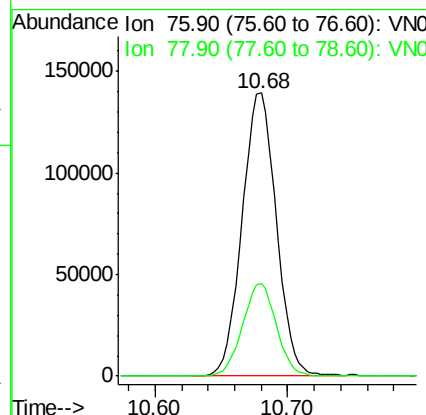
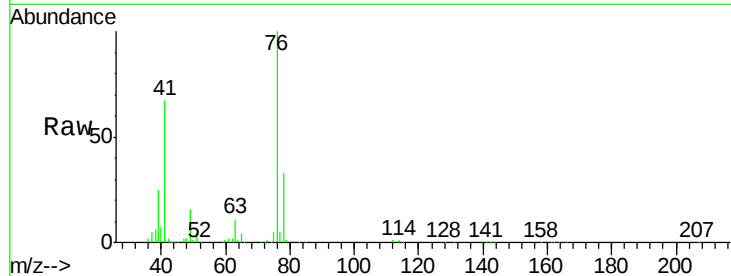
#57
 1,3-Dichloropropane
 Concen: 52.076 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.6	38.4

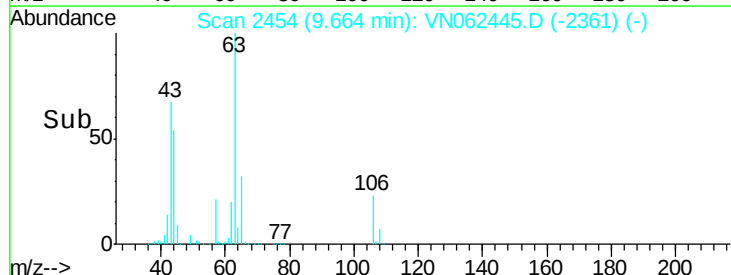
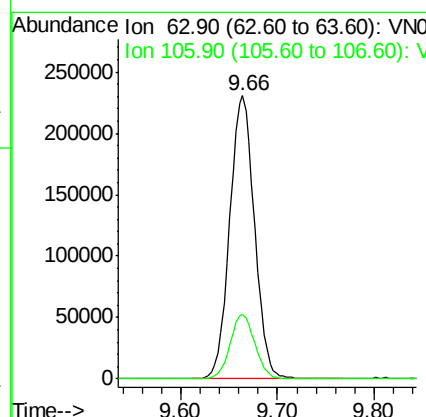
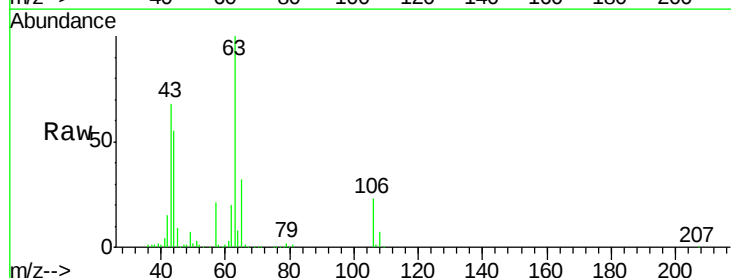
Manual Integrations
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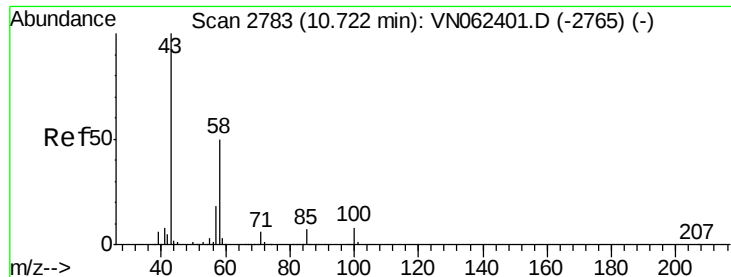
MMDadoda
 7/9/2020 10:59:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.980 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.7	17.6	26.4





#59

2-Hexanone

Concen: 252.059 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 784428

Ion Ratio Lower Upper

43 100

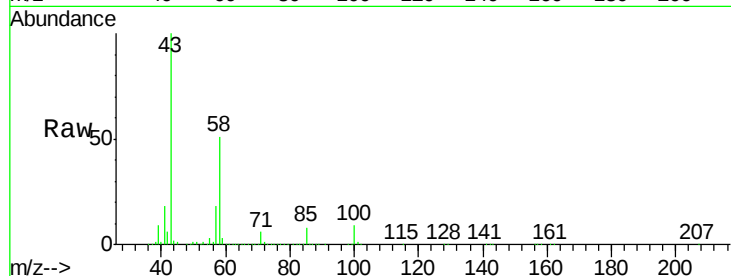
58 51.6 25.1 75.2

Manual Integrations

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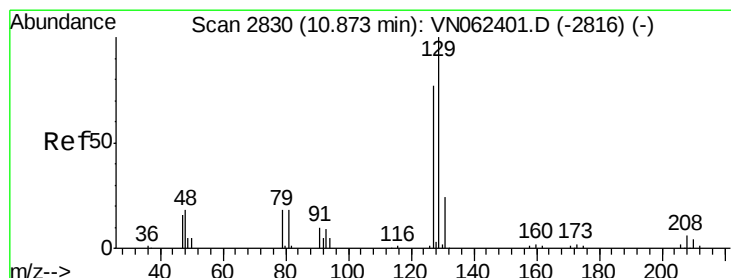
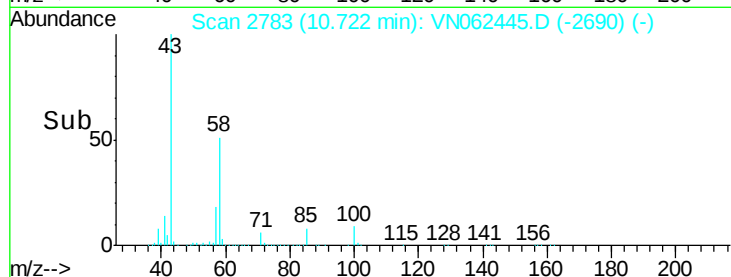
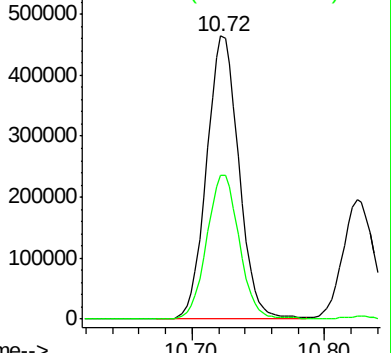
MMDadoda

7/9/2020 10:59:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#60

Dibromochloromethane

Concen: 52.341 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. 0.00 min

Lab File: VN062445.D

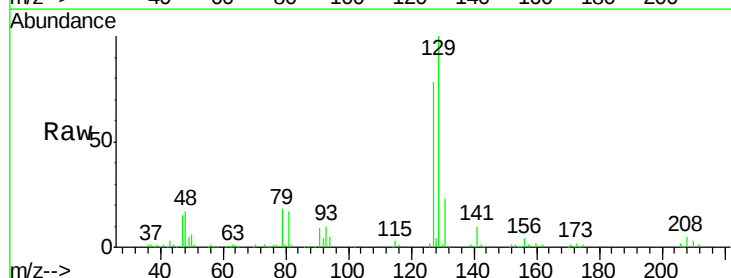
Acq: 9 Jul 2020 7:35

Tgt Ion: 129 Resp: 147640

Ion Ratio Lower Upper

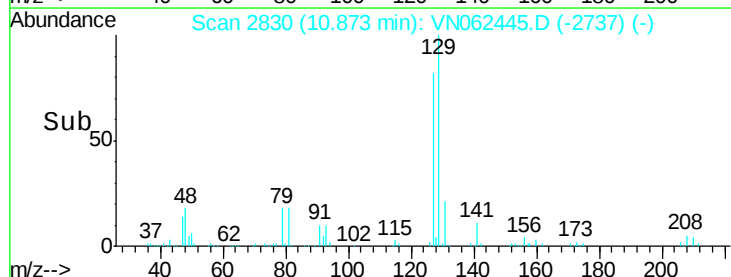
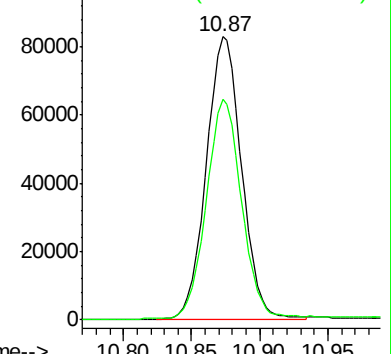
129 100

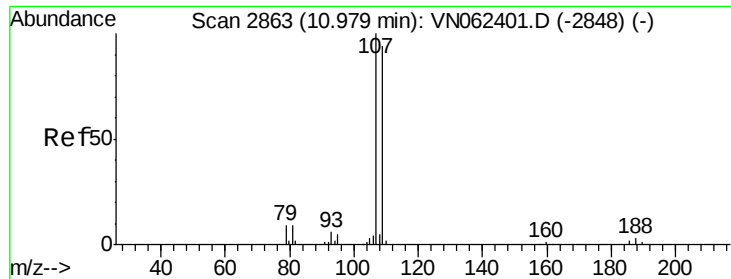
127 78.9 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 52.533 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 137958

Ion Ratio Lower Upper

107 100

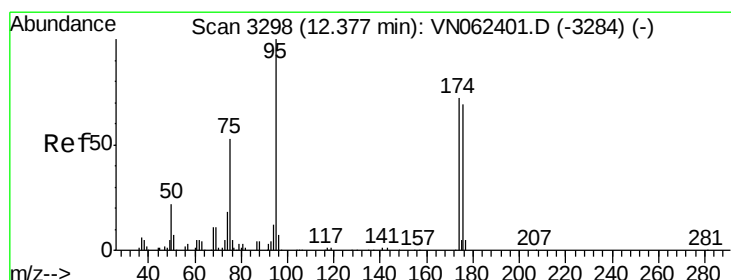
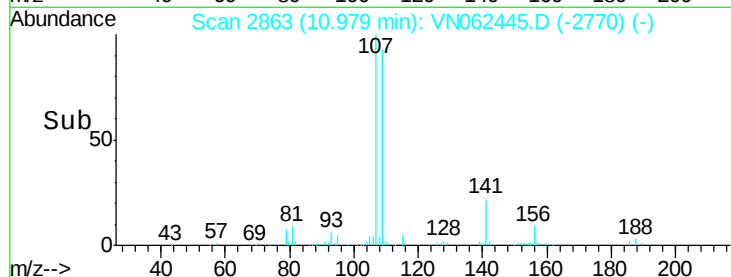
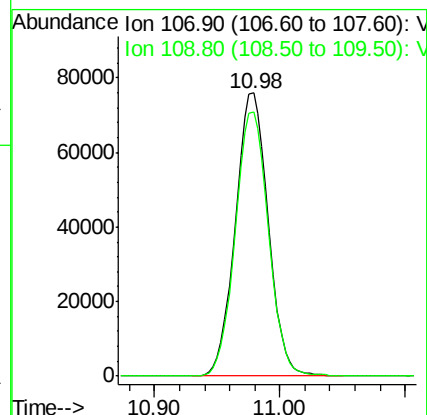
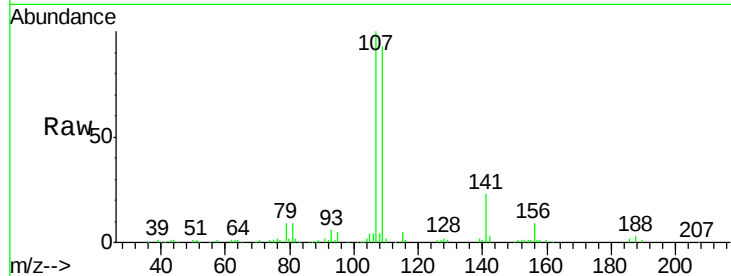
109 94.5 75.6 113.4

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 53.474 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

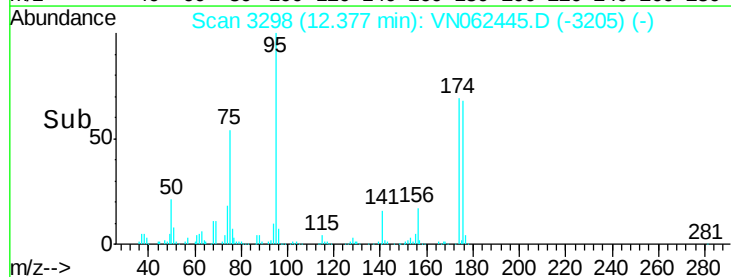
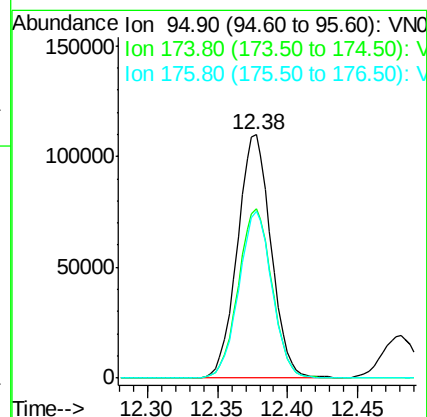
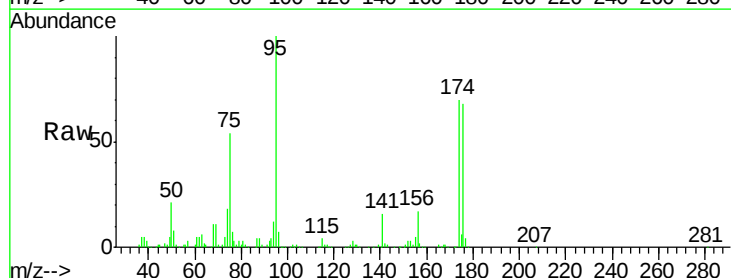
Tgt Ion: 95 Resp: 183898

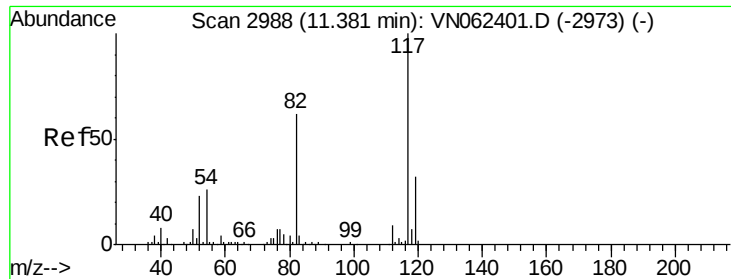
Ion Ratio Lower Upper

95 100

174 69.8 0.0 141.6

176 67.6 0.0 137.2





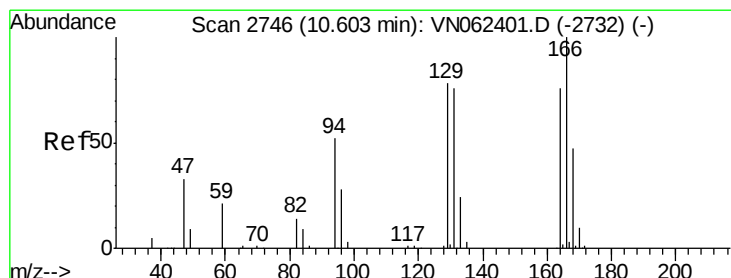
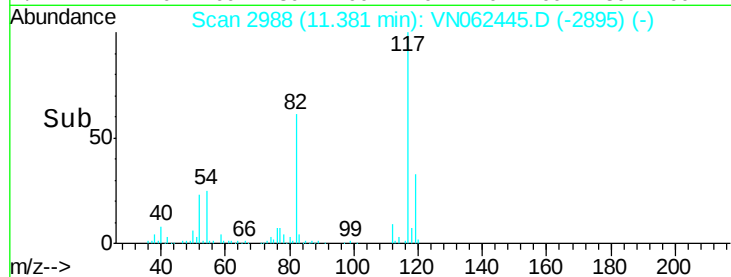
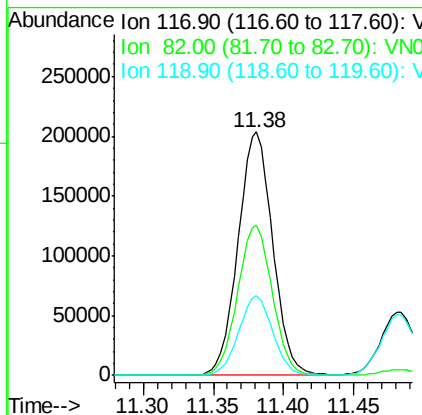
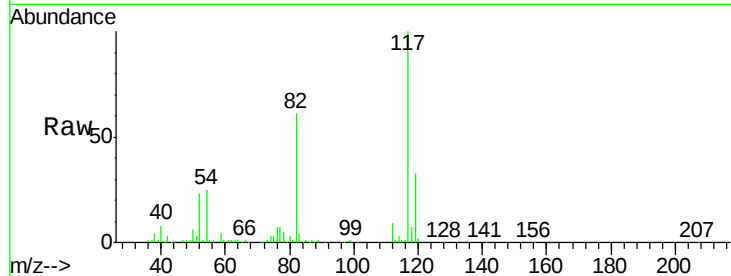
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.6	74.4
119	32.5	25.4	38.0

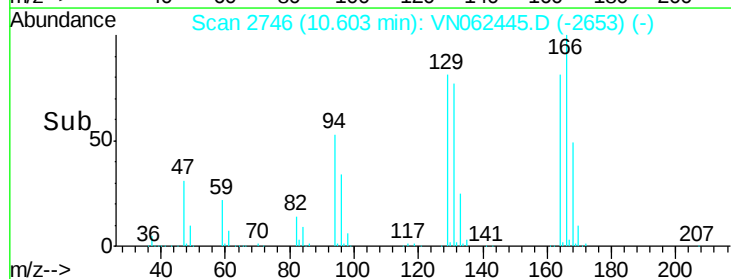
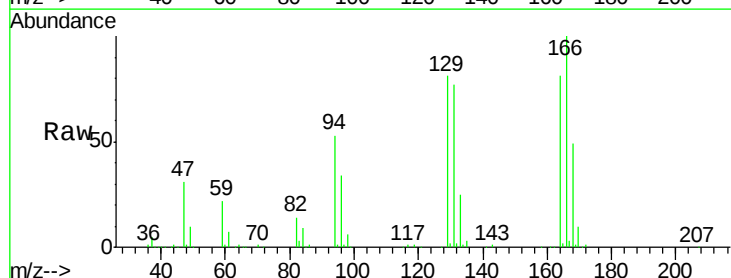
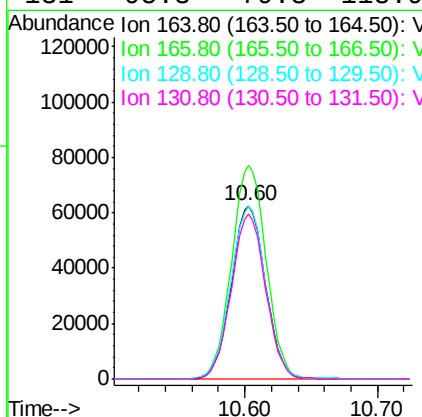
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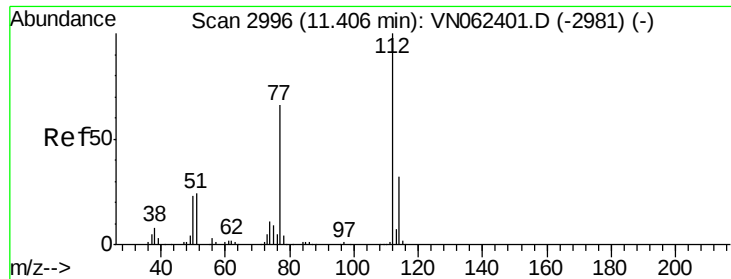
MMDadoda
7/9/2020 10:59:00 AM



#64
Tetrachloroethene
Concen: 53.759 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	104.9	157.3
129	99.8	81.8	122.6
131	95.3	79.3	118.9





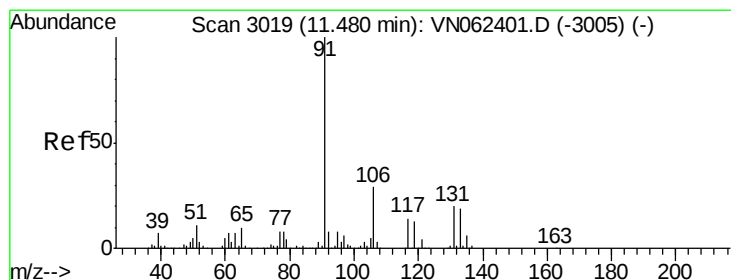
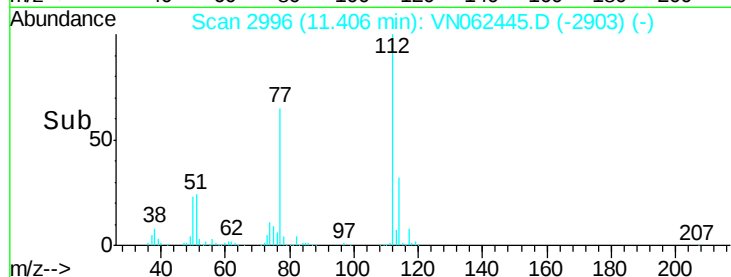
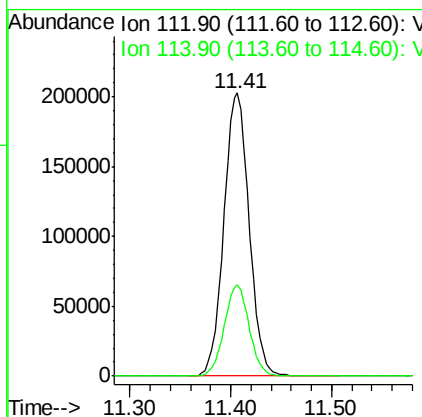
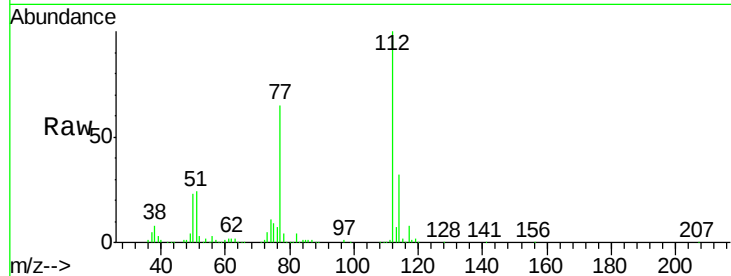
#65
Chlorobenzene
Concen: 52.031 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.9	38.9

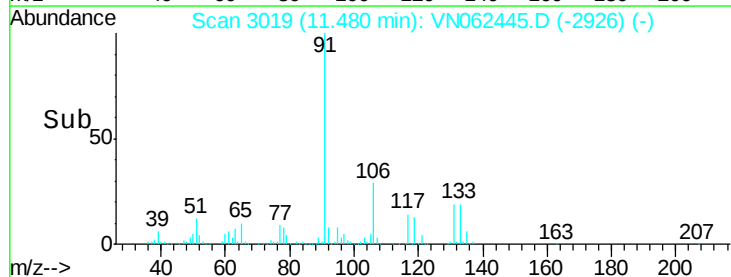
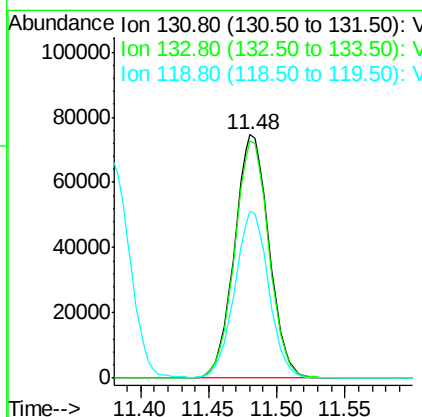
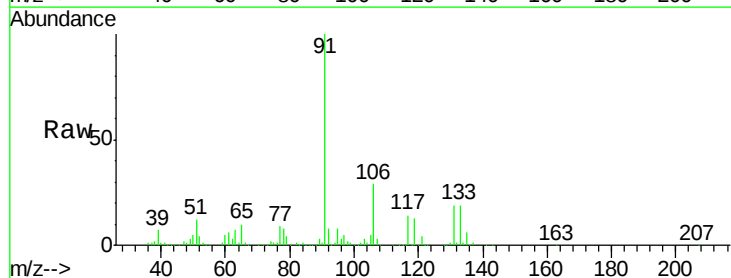
Manual Integrations
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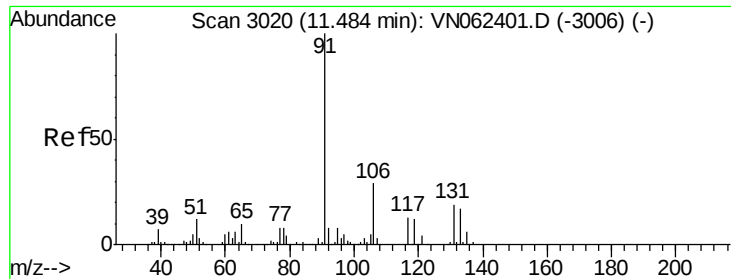
MMDadoda
7/9/2020 10:59:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.123 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	46.9	140.8
119	67.6	33.2	99.6





#67

Ethyl Benzene

Concen: 52.884 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 676886

Ion Ratio Lower Upper

91 100

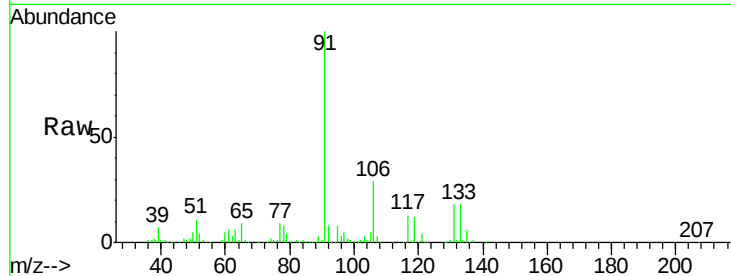
106 29.3 23.4 35.2

Manual Integrations

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7/9/2020 10:59:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3006) (-)

Ion 106.00 (105.70 to 106.70): VN062401.D (-3006) (-)

600000

500000

400000

300000

200000

100000

0

11.40

11.50

11.60

11.70

11.80

11.90

12.00

12.10

12.20

12.30

12.40

12.50

12.60

12.70

12.80

12.90

13.00

13.10

13.20

13.30

13.40

13.50

13.60

13.70

13.80

13.90

14.00

14.10

14.20

14.30

14.40

14.50

14.60

14.70

14.80

14.90

15.00

15.10

15.20

15.30

15.40

15.50

15.60

15.70

15.80

15.90

16.00

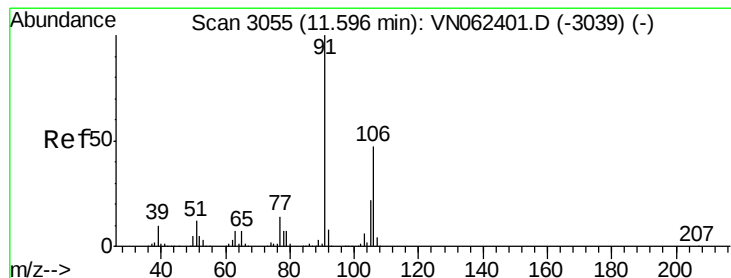
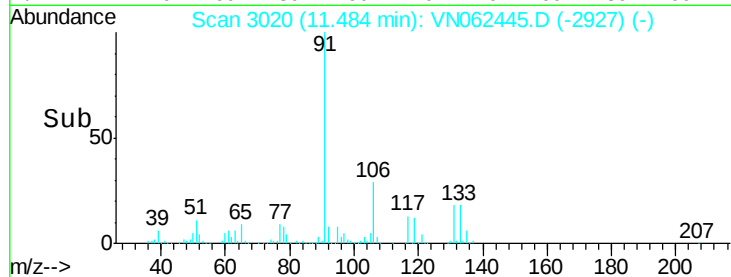
16.10

16.20

16.30

16.40

16.50



#68

m/p-Xylenes

Concen: 106.836 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062445.D

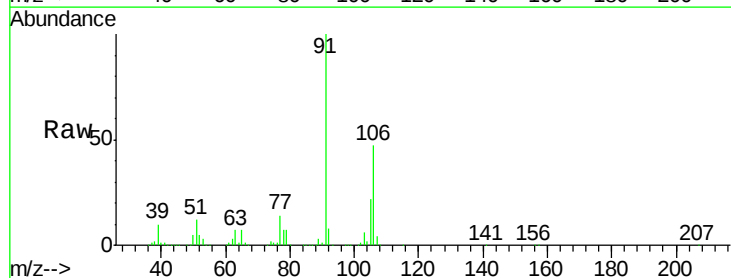
Acq: 9 Jul 2020 7:35

Tgt Ion: 106 Resp: 484090

Ion Ratio Lower Upper

106 100

91 213.9 172.4 258.6



Abundance Ion 106.00 (105.70 to 106.70): VN062401.D (-3039) (-)

Ion 91.00 (90.70 to 91.70): VN062401.D (-3039) (-)

600000

500000

400000

300000

200000

100000

0

11.50

11.60

11.70

11.80

11.90

12.00

12.10

12.20

12.30

12.40

12.50

12.60

12.70

12.80

12.90

13.00

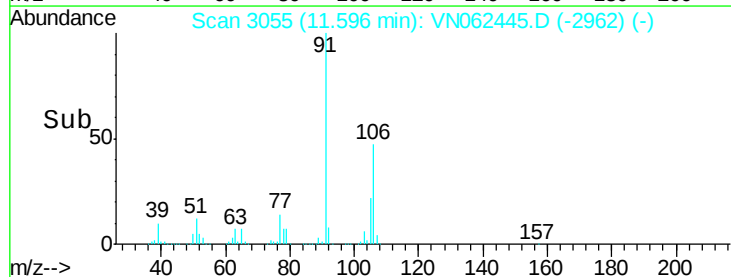
13.10

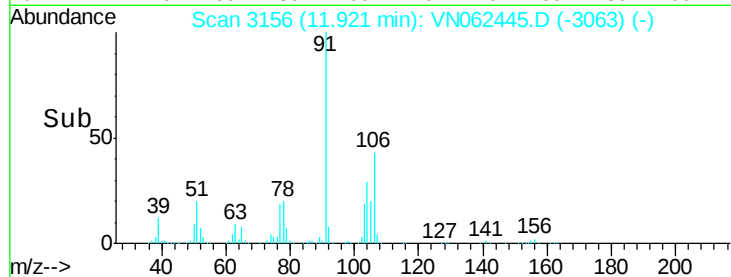
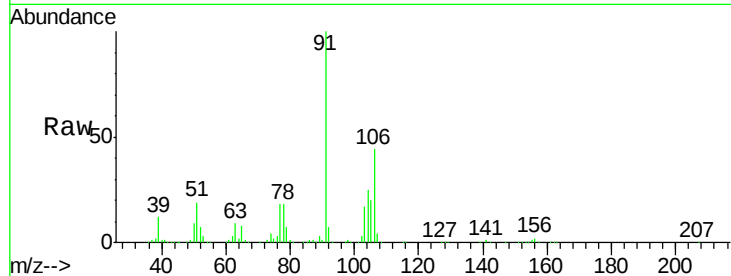
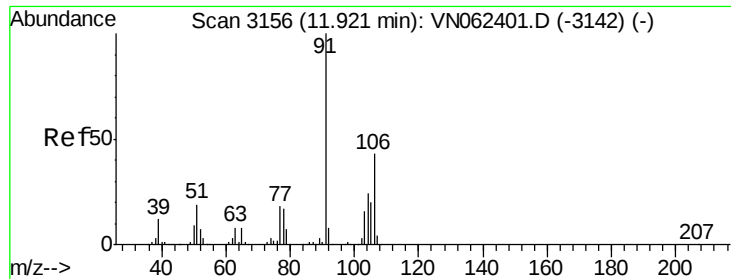
13.20

13.30

13.40

13.50





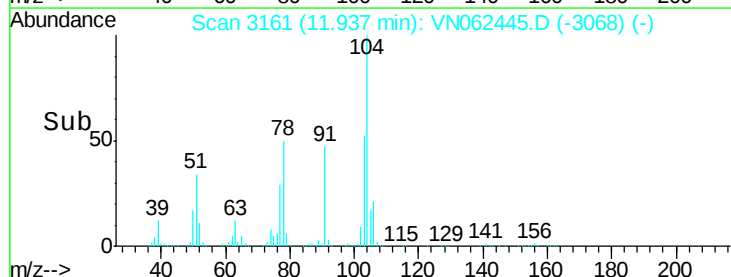
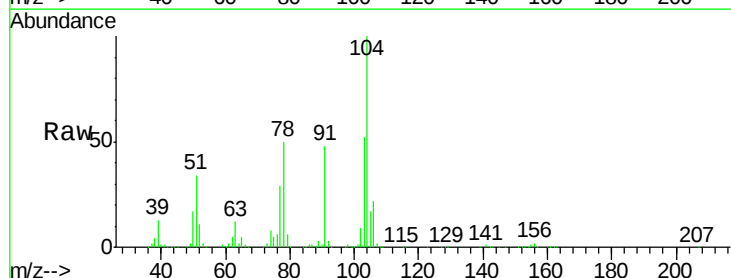
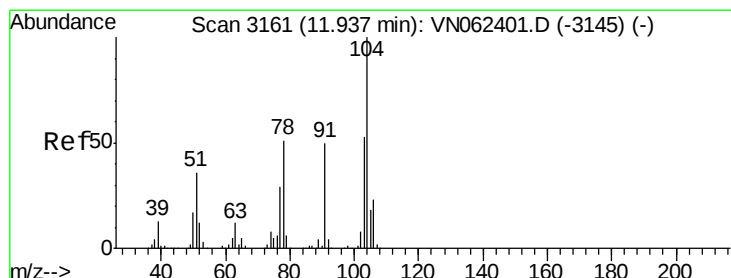
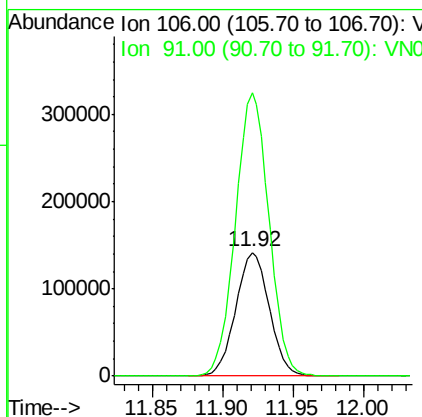
#69
o-Xylene
Concen: 53.664 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tot Ion:106 Resp: 236749
Ion Ratio Lower Upper
106 100
91 227.9 113.8 341.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

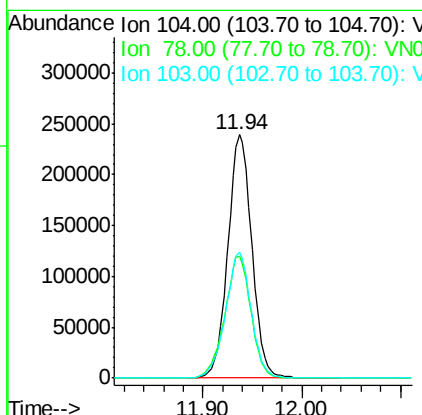
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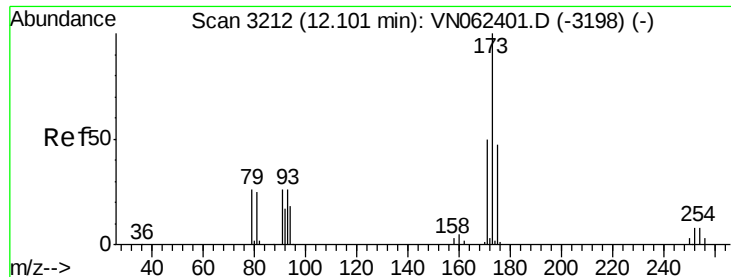
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7/9/2020 10:59:00 AM



#70
Styrene
Concen: 55.924 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion:104 Resp: 407755
Ion Ratio Lower Upper
104 100
78 54.1 44.2 66.4
103 55.1 44.4 66.6





#71

Bromoform

Concen: 52.929 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 97567

Ion Ratio Lower Upper

173 100

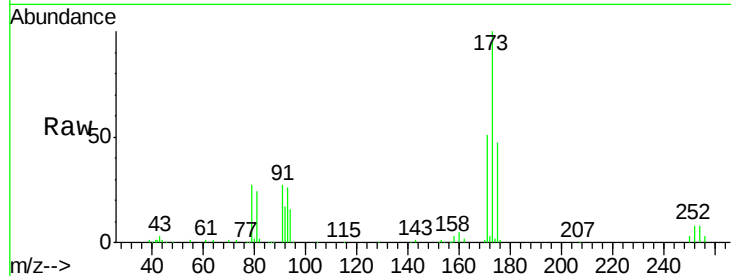
175 47.9 23.7 71.1

254 0.0 0.0 0.0

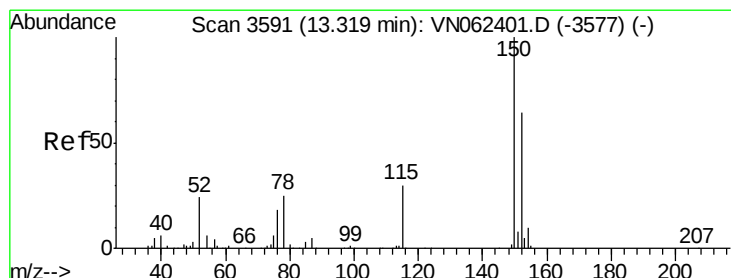
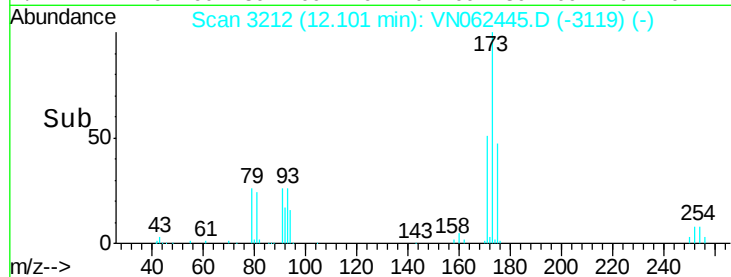
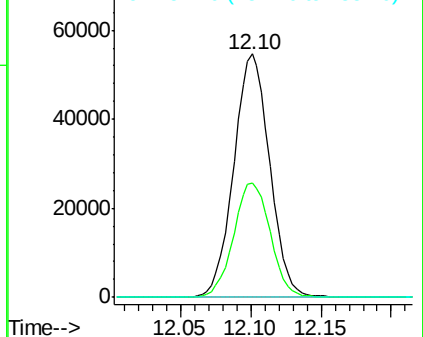
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

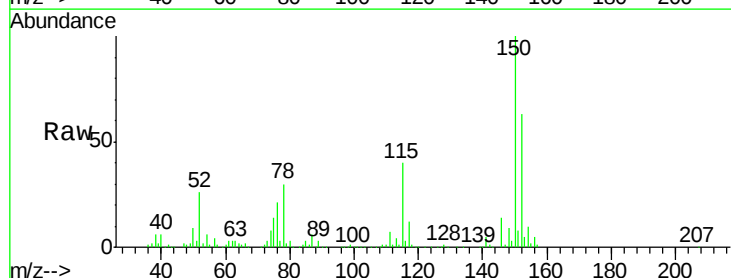
Tgt Ion:152 Resp: 161634

Ion Ratio Lower Upper

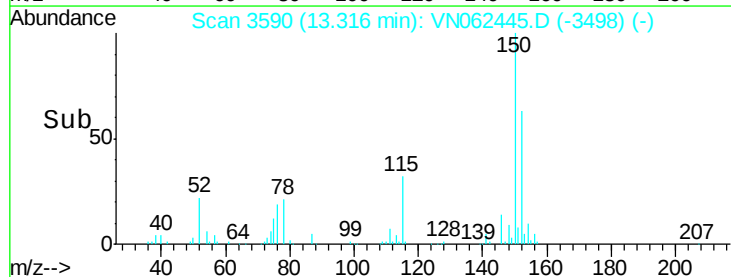
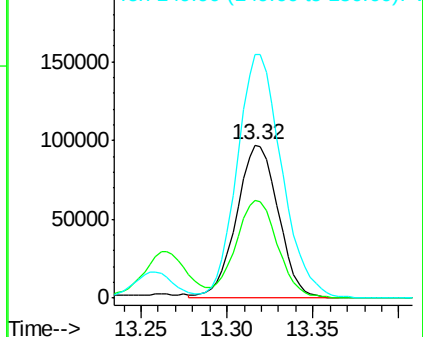
152 100

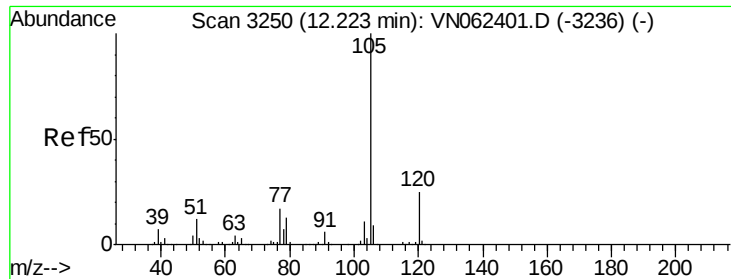
115 64.4 31.4 94.2

150 173.3 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





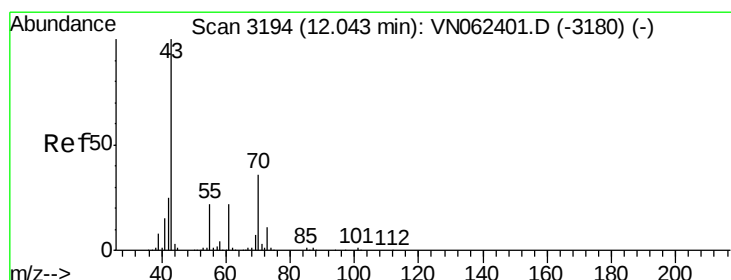
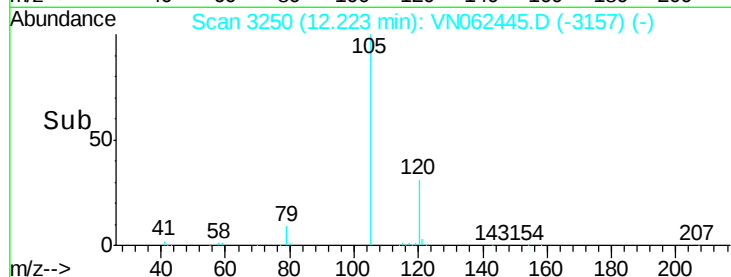
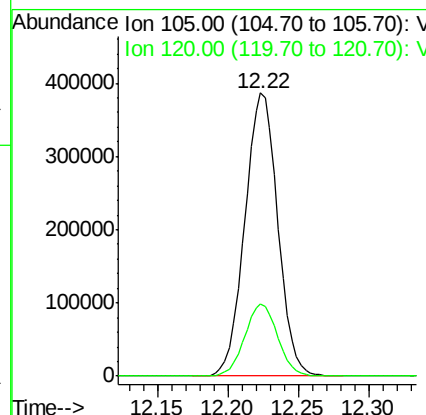
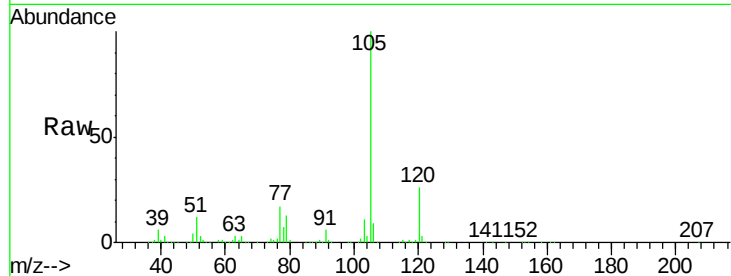
#73
Isopropylbenzene
Concen: 50.541 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 632148
Ion Ratio Lower Upper
105 100
120 25.5 12.7 38.1

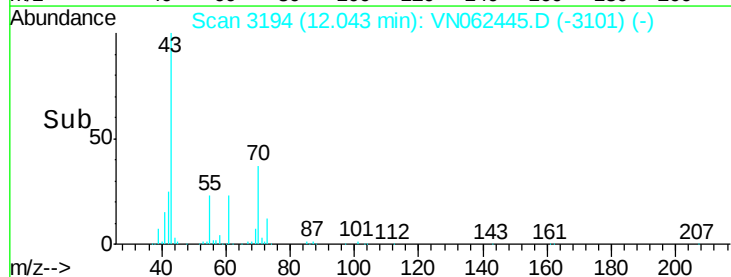
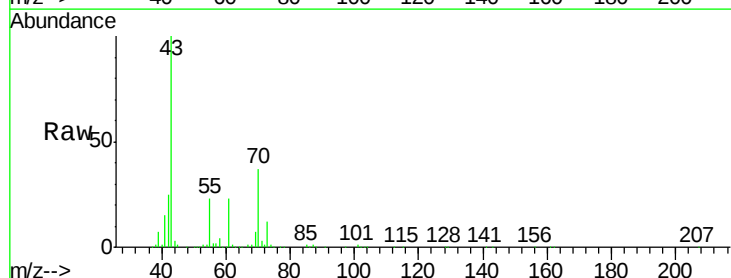
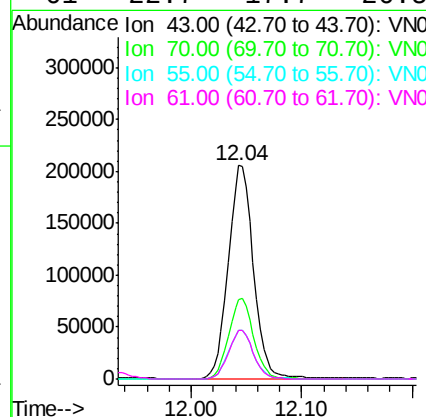
Manual Integrations
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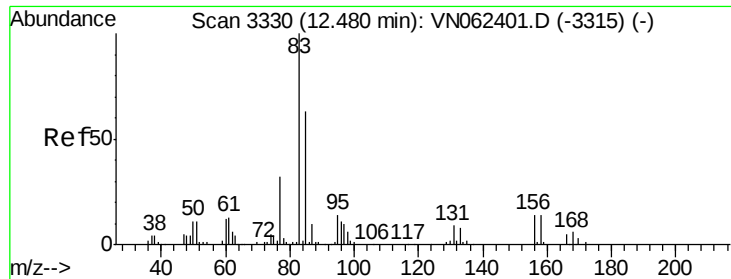
MMDadoda
7/9/2020 10:59:00 AM



#74
N-ethyl acetate
Concen: 53.559 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion: 43 Resp: 326056
Ion Ratio Lower Upper
43 100
70 37.5 30.0 45.0
55 23.1 18.2 27.4
61 22.7 17.7 26.5





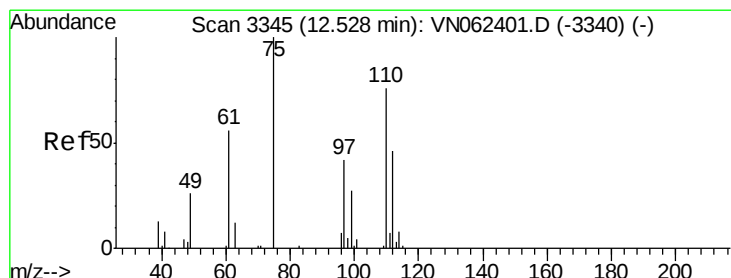
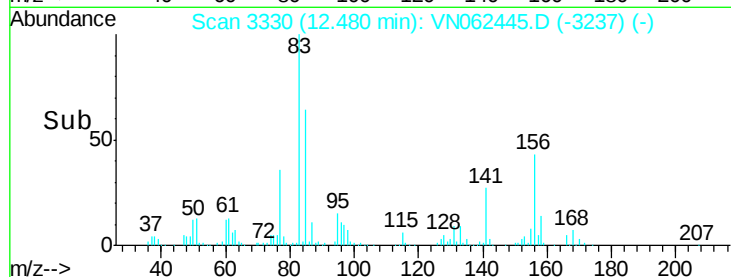
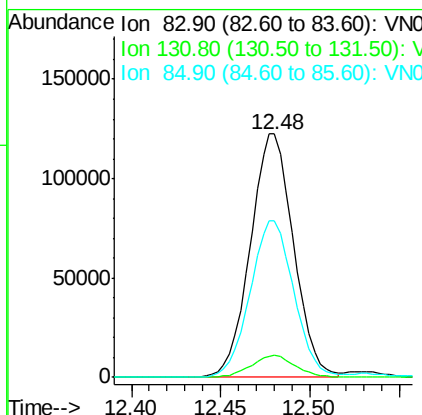
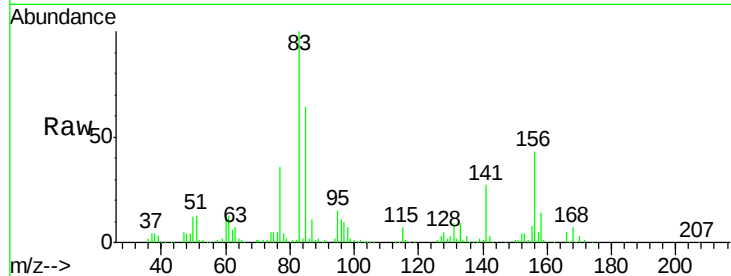
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.309 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	207368
Ion Ratio	100	Lower	Upper
83	100		
131	9.2	4.5	13.5
85	65.1	31.9	95.9

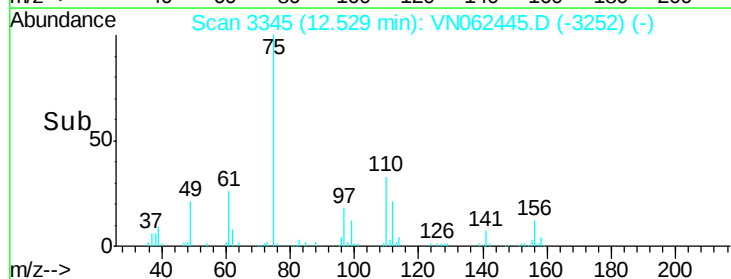
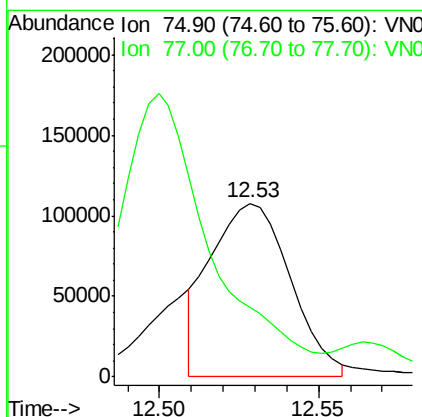
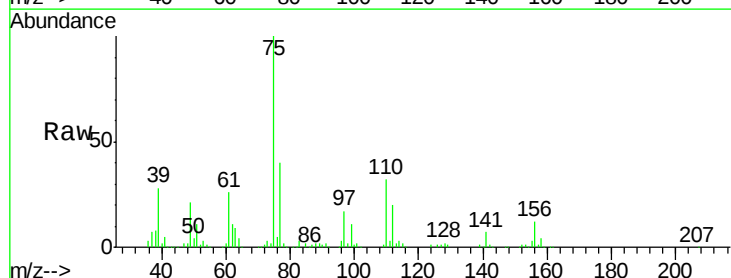
Manual Integrations
 APPROVED

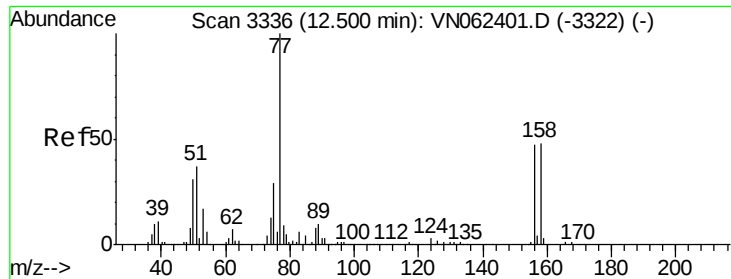
MMDadoda
 7/9/2020 10:59:00 AM



#76
 1,2,3-Trichloropropane
 Concen: 47.293 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	75	Resp	187563
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 82.114 ug/l m

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

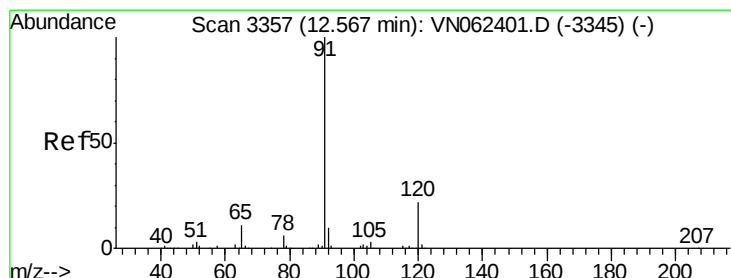
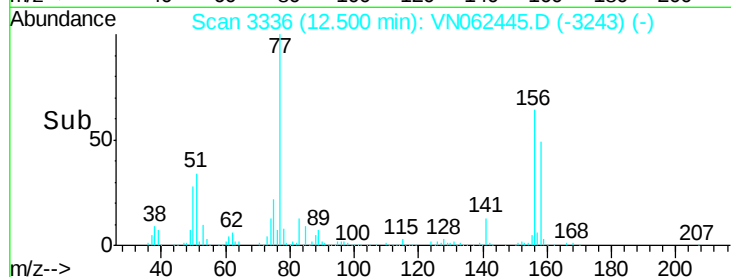
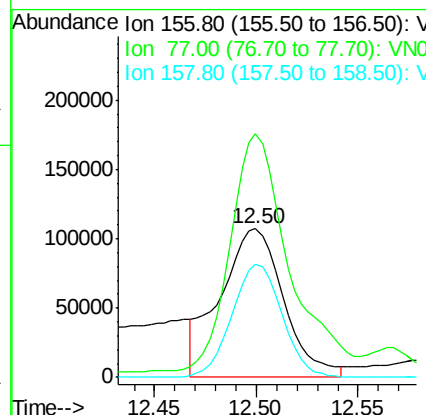
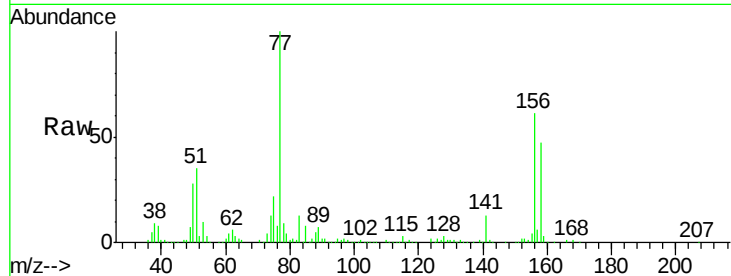
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	233490
Ion Ratio	Lower	Upper	
156	100		
77	146.5	126.4	379.3
158	59.5	49.8	149.4

Manual Integrations
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MMDadoda
7/9/2020 10:59:00 AM



#78

n-propylbenzene

Concen: 51.497 ug/l

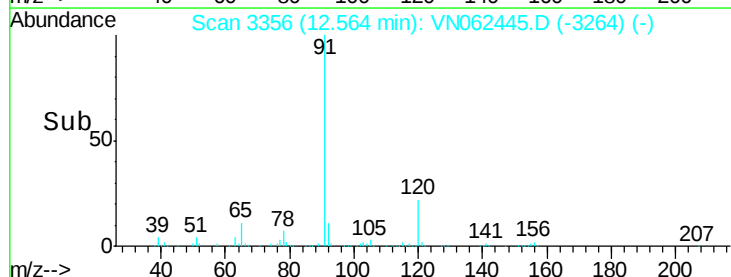
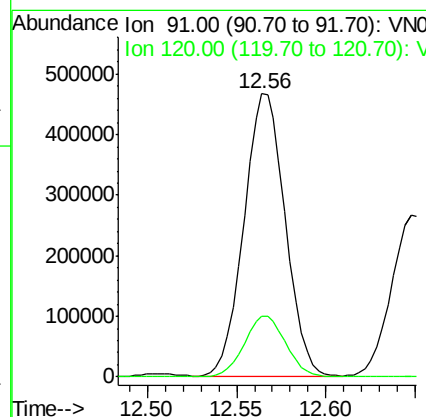
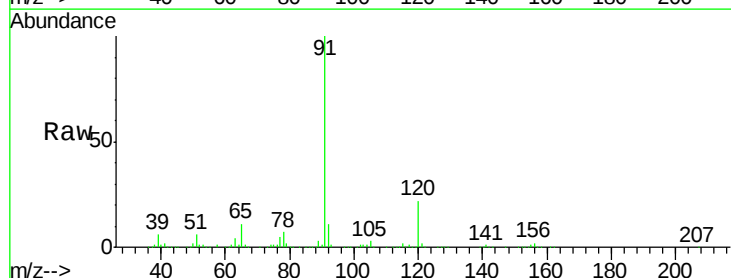
RT: 12.56 min Scan# 3356

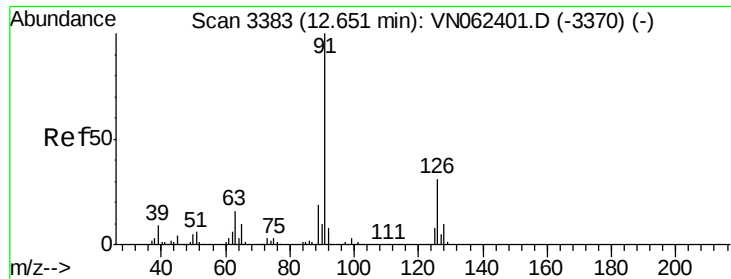
Delta R.T. -0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Tgt Ion:	91	Resp:	752388
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.7	32.1





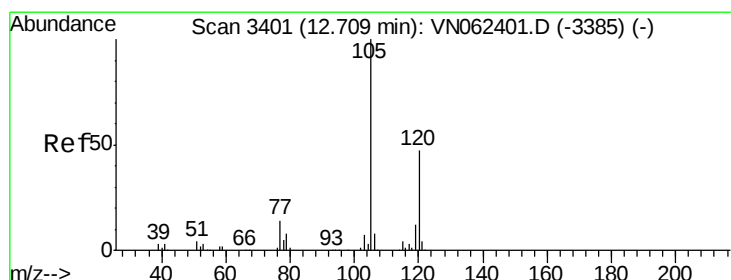
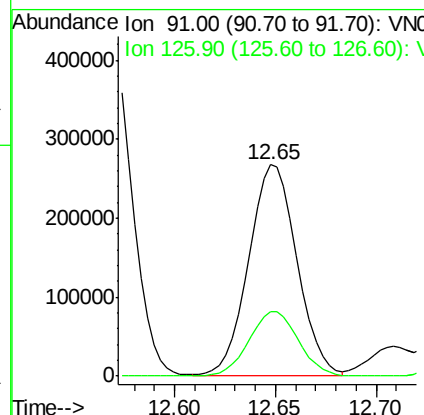
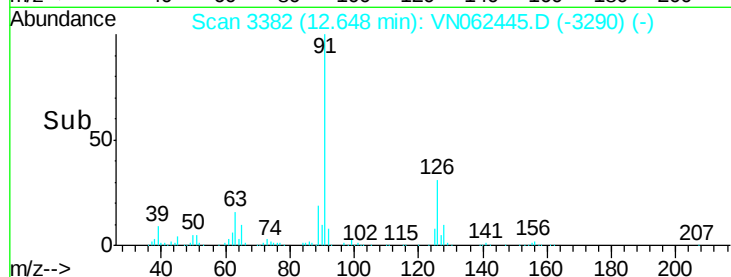
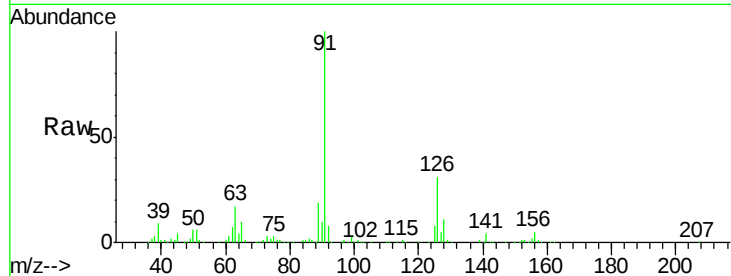
#79
2-Chlorotoluene
Concen: 50.182 ug/l
RT: 12.65 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 444979
Ion Ratio Lower Upper
91 100
126 31.3 15.6 46.7

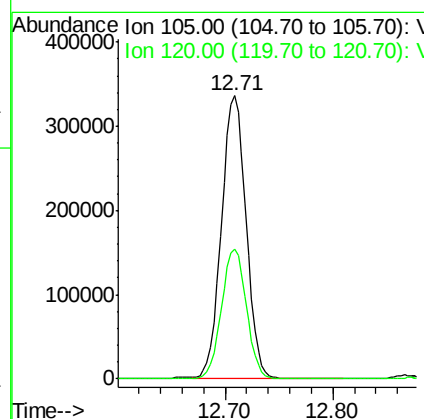
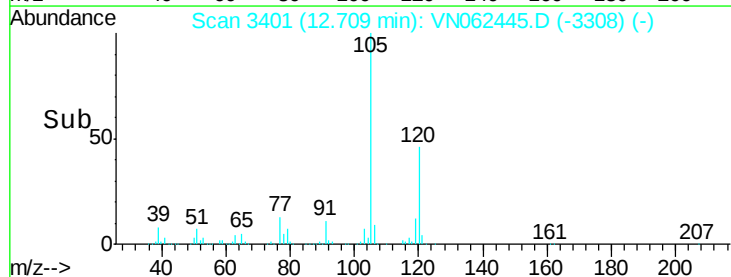
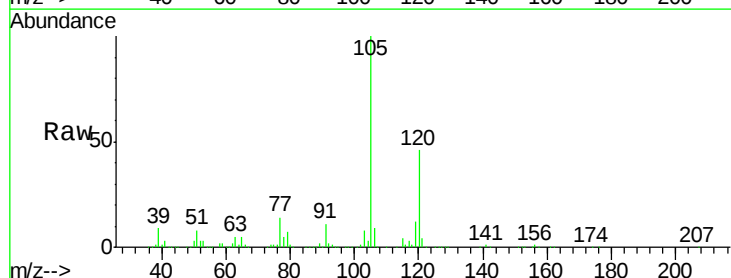
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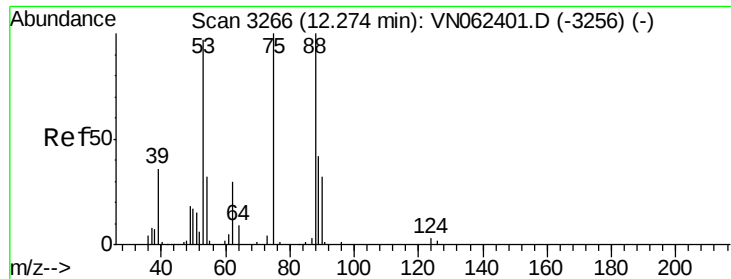
MMDadoda
7/9/2020 10:59:00 AM



#80
1,3,5-Trimethylbenzene
Concen: 51.965 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion: 105 Resp: 532818
Ion Ratio Lower Upper
105 100
120 46.3 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 28.859 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 42761

Ion Ratio Lower Upper

75 100

53 96.1 79.2 118.8

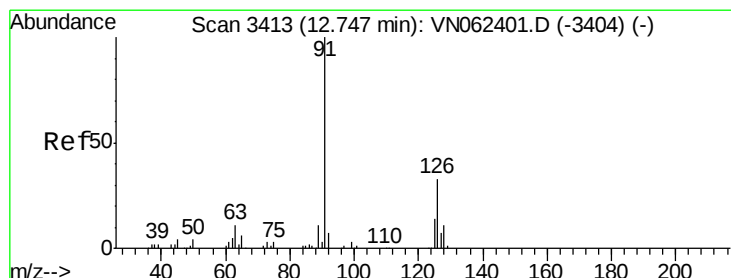
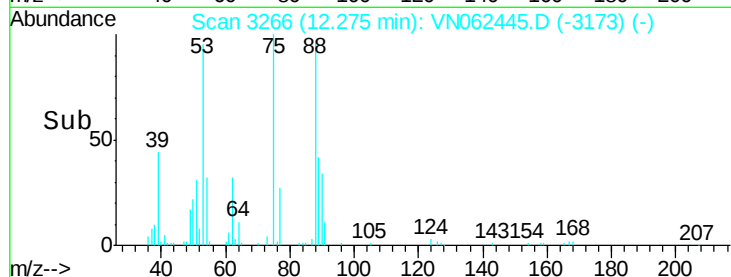
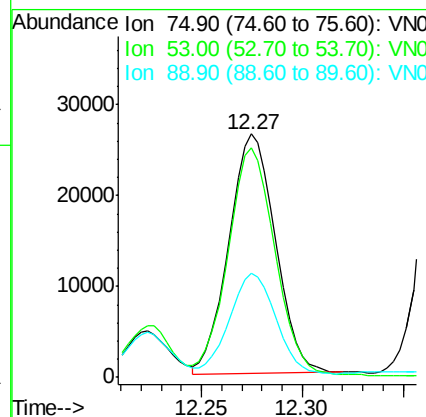
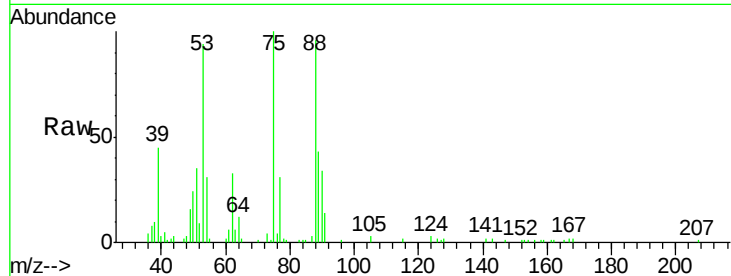
89 42.4 34.6 52.0

Manual Integrations

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7/9/2020 10:59:00 AM



#82

4-Chlorotoluene

Concen: 51.487 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062445.D

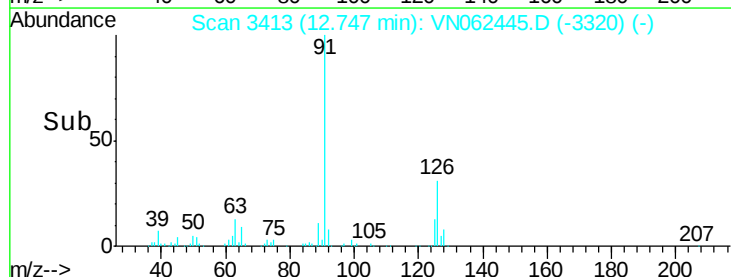
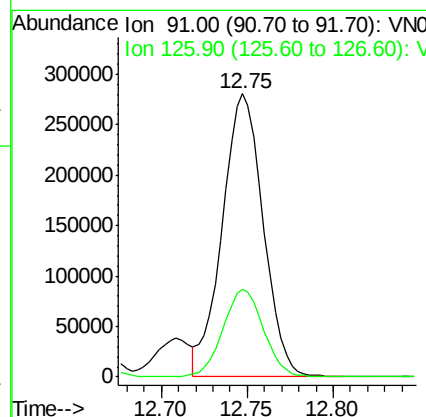
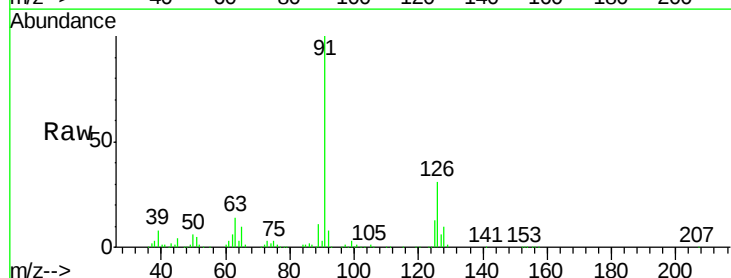
Acq: 9 Jul 2020 7:35

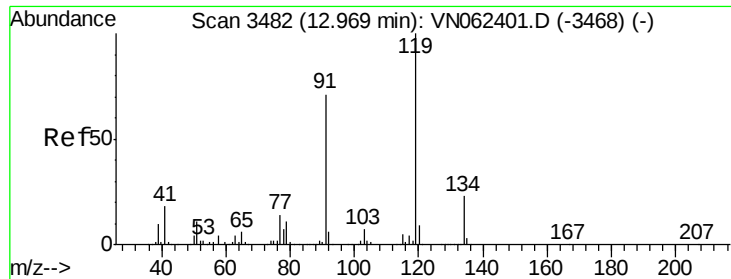
Tgt Ion: 91 Resp: 463501

Ion Ratio Lower Upper

91 100

126 30.6 15.2 45.6





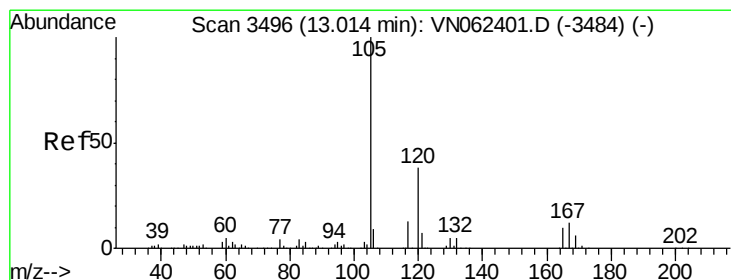
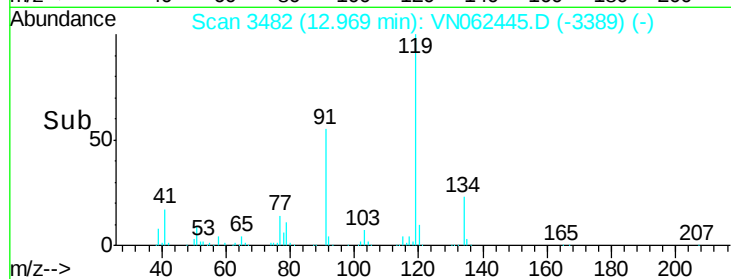
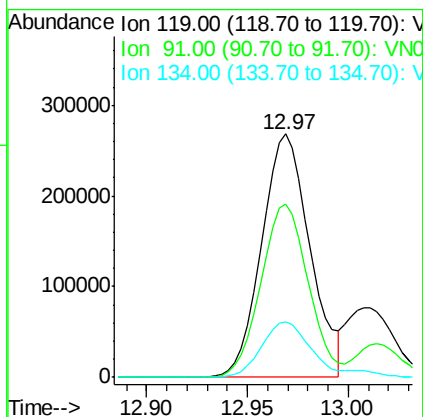
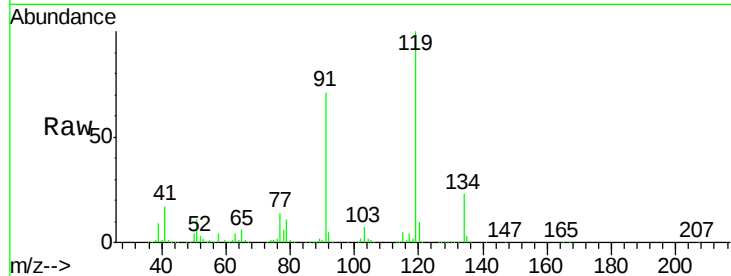
#83
tert-Butylbenzene
Concen: 51.442 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.9	34.8	104.3
134	24.8	11.7	35.0

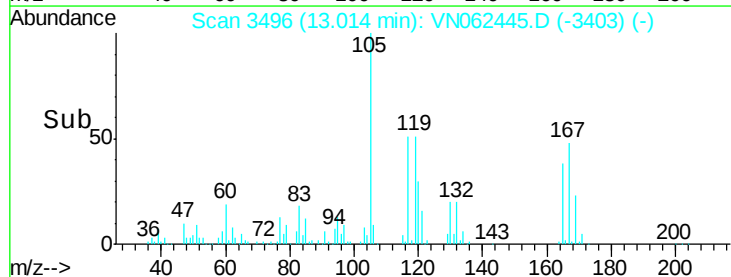
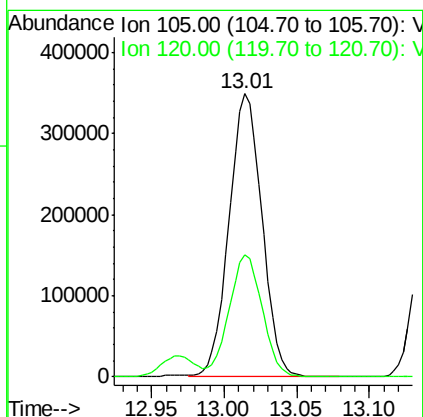
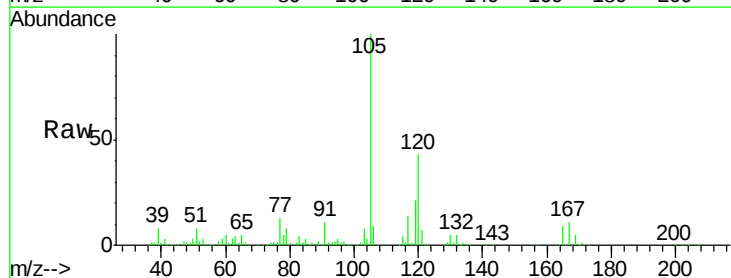
Manual Integrations
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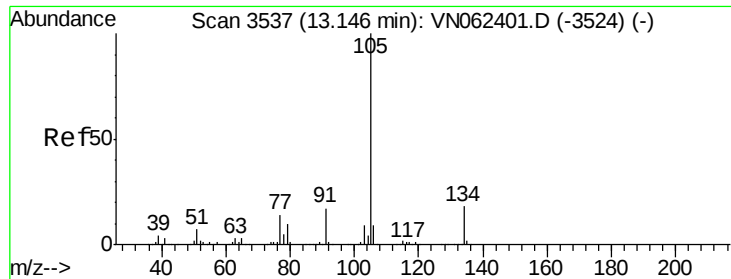
MMDadoda
7/9/2020 10:59:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 53.759 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.6	64.8





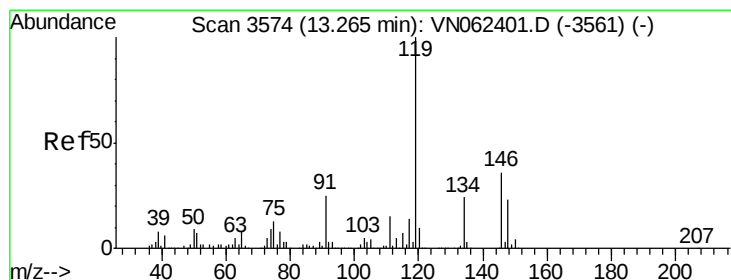
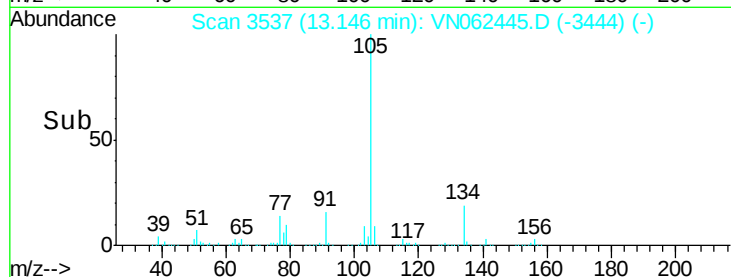
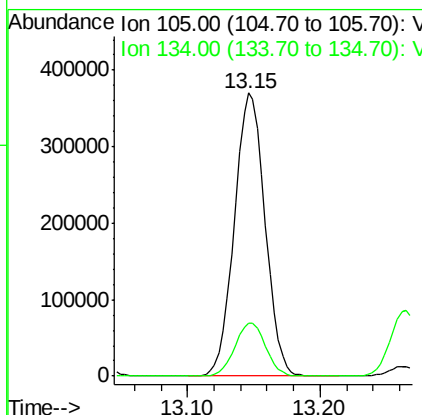
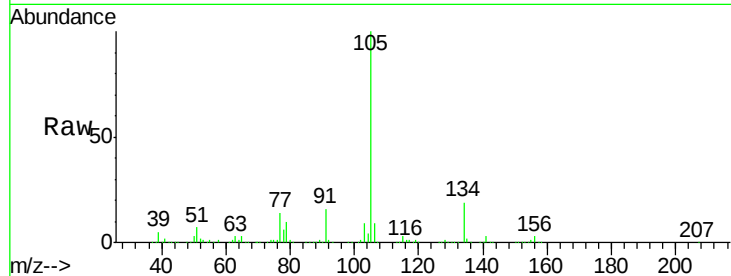
#85
 sec-Butylbenzene
 Concen: 51.187 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.3	28.0

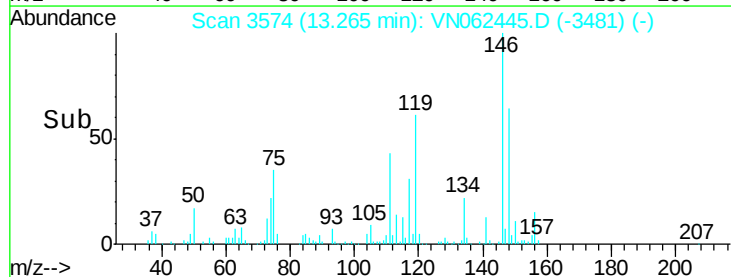
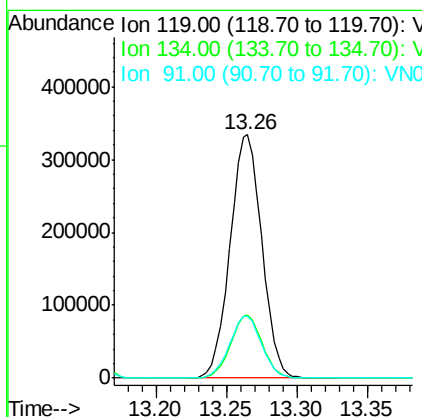
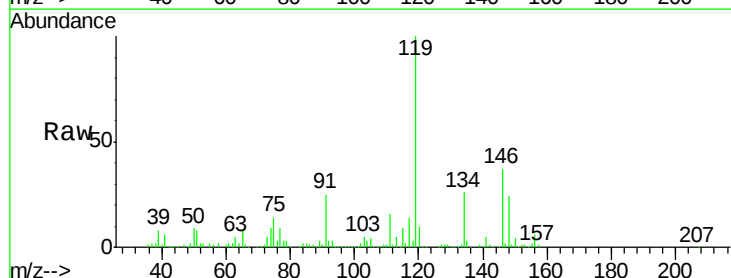
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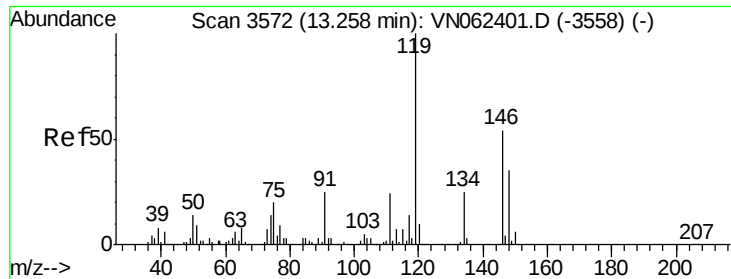
MMDadoda
 7/9/2020 10:59:00 AM



#86
 p-Isopropyltoluene
 Concen: 52.717 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.4	37.0
91	25.3	12.4	37.4





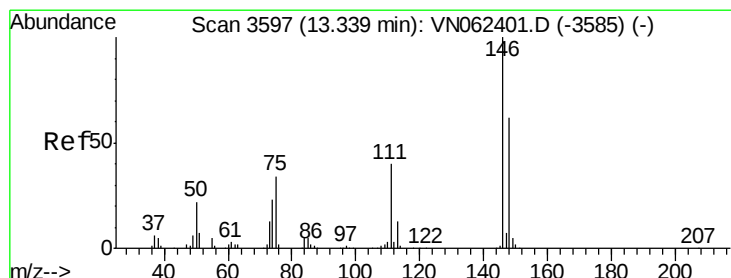
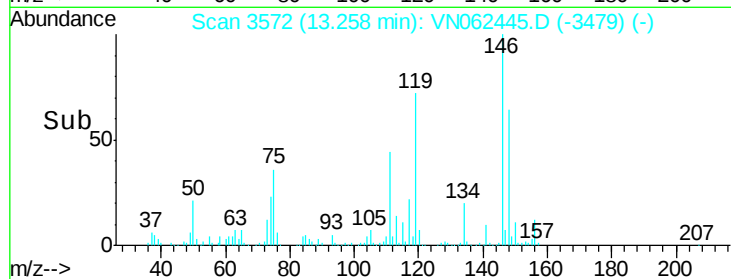
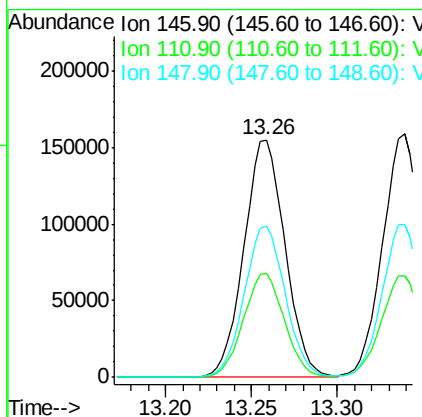
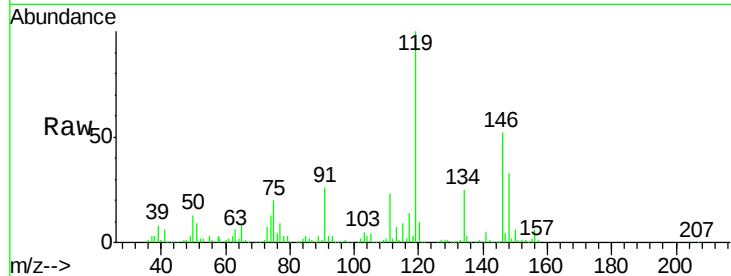
#87
 1,3-Dichlorobenzene
 Concen: 52.365 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	64.6
148	63.6	32.2	96.6

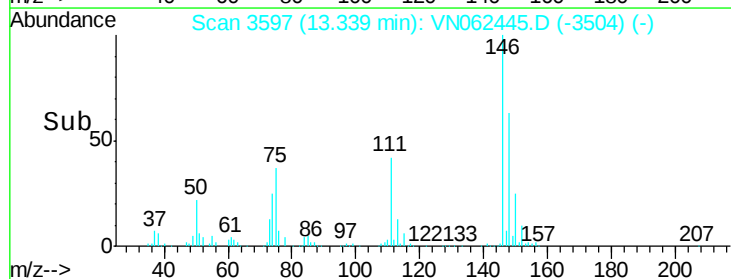
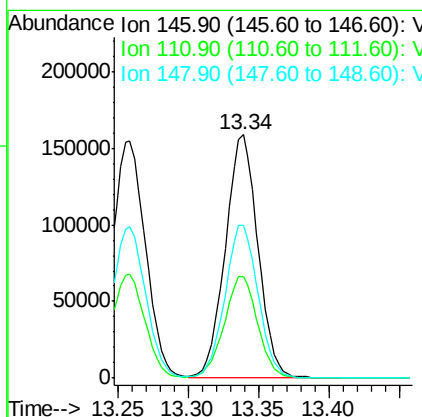
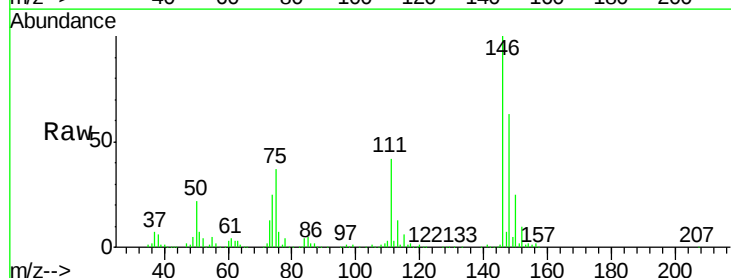
Manual Integrations
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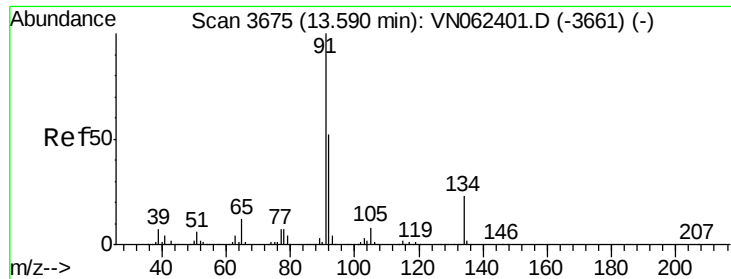
MMDadoda
 7/9/2020 10:59:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.619 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.1	63.1
148	64.2	31.4	94.2





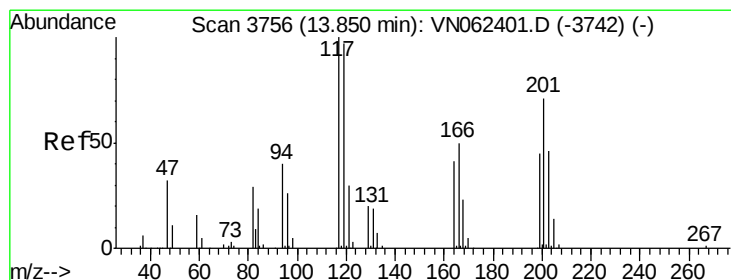
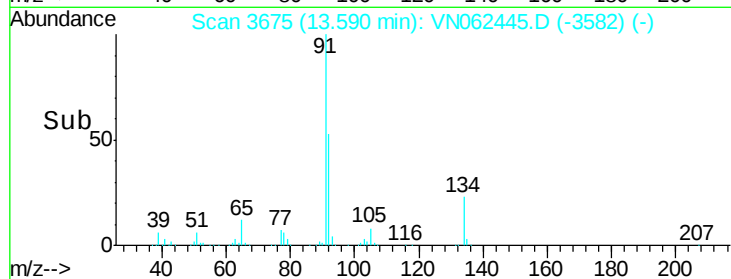
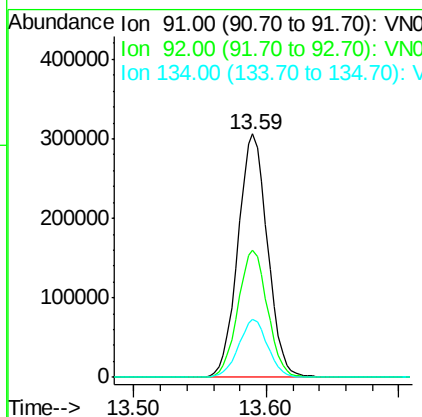
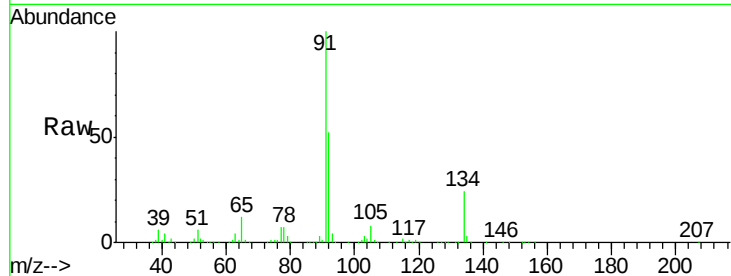
#89
n-Butylbenzene
Concen: 53.742 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	52.4	25.9	77.7	
134	23.6	11.6	34.8	

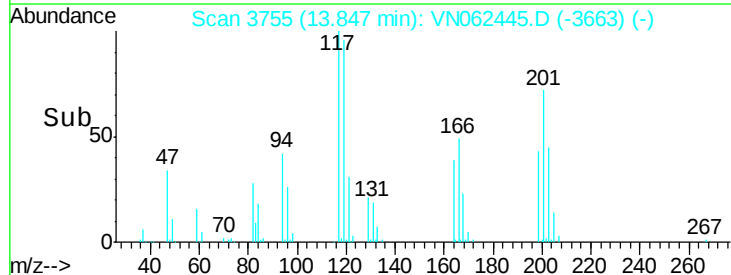
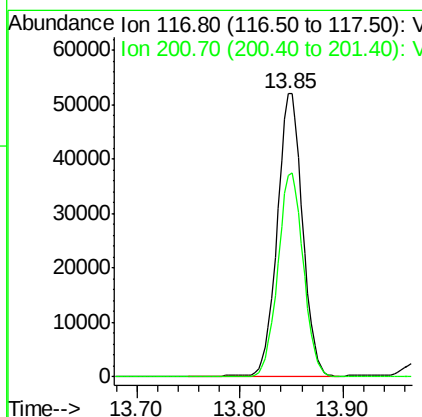
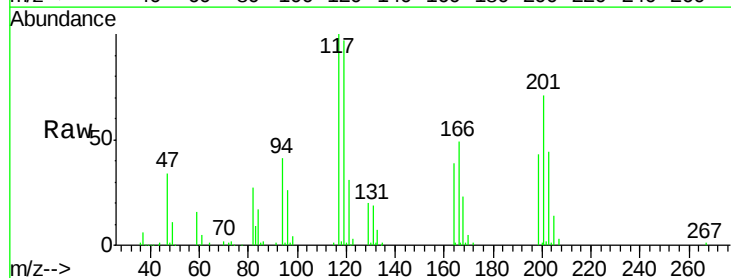
Manual Integrations
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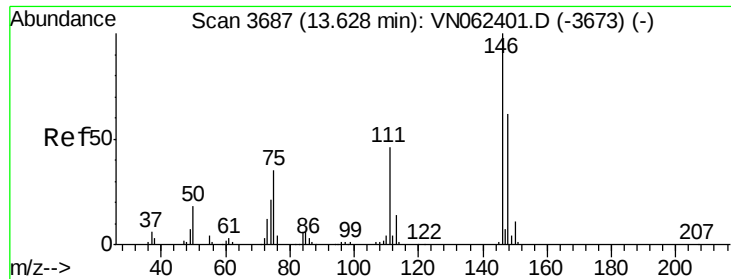
MMDadoda
7/9/2020 10:59:00 AM



#90
Hexachloroethane
Concen: 45.598 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062445.D
Acq: 9 Jul 2020 7:35

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	71.8	35.4	106.2	





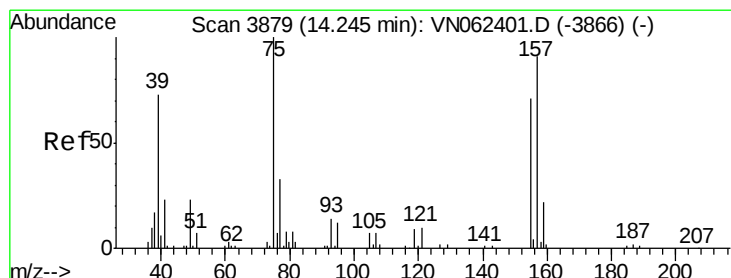
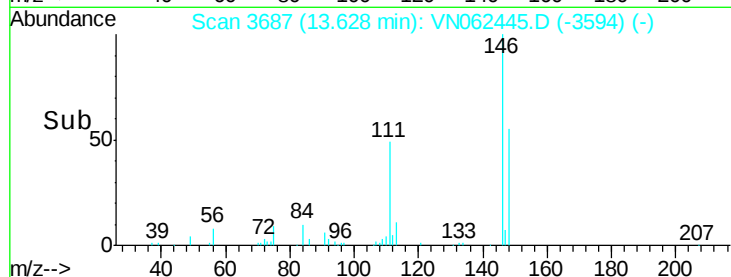
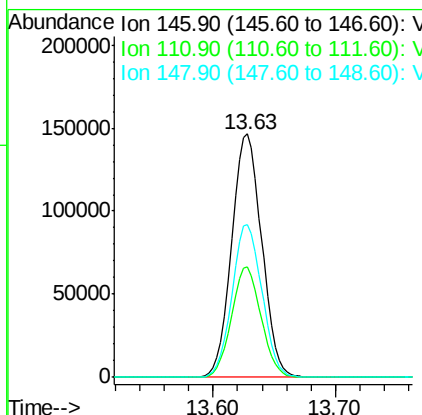
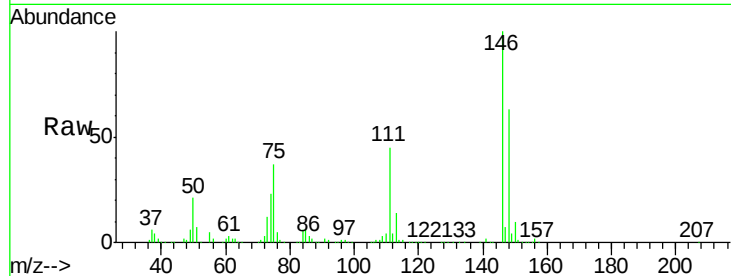
#91
 1,2-Dichlorobenzene
 Concen: 52.957 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.5	67.5
148	62.6	31.4	94.2

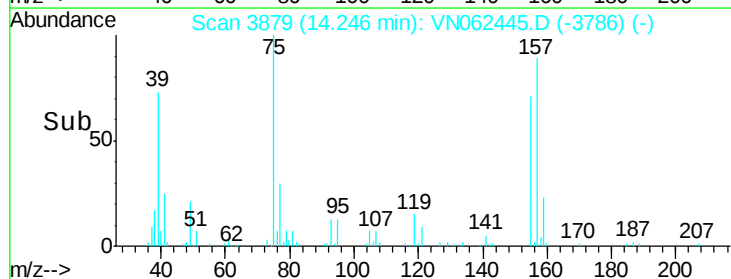
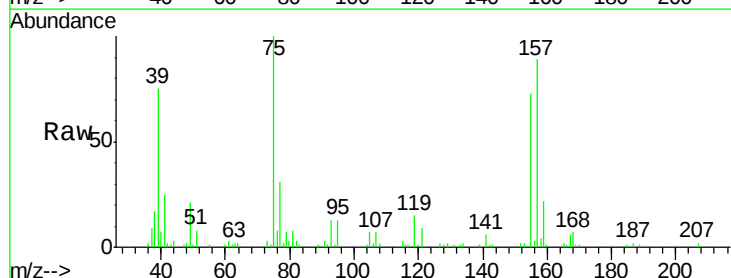
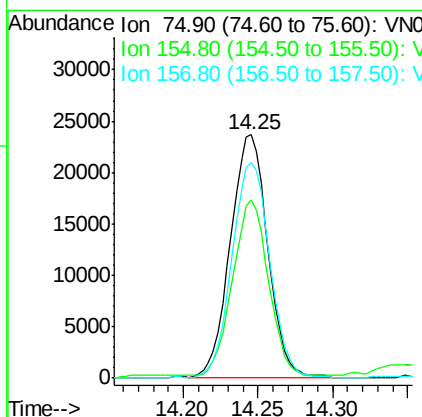
Manual Integrations
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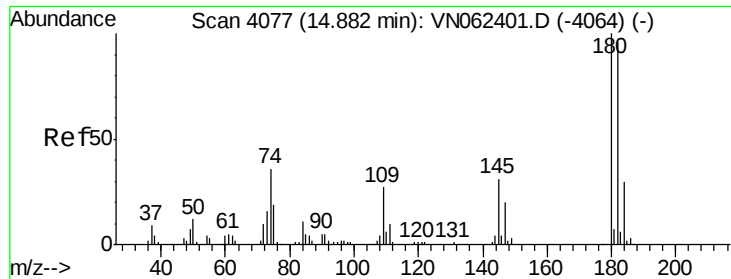
MMDadoda
 7/9/2020 10:59:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.863 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062445.D
 Acq: 9 Jul 2020 7:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.5	35.2	105.6
157	89.6	45.8	137.3





#93

1,2,4-Trichlorobenzene

Concen: 59.029 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

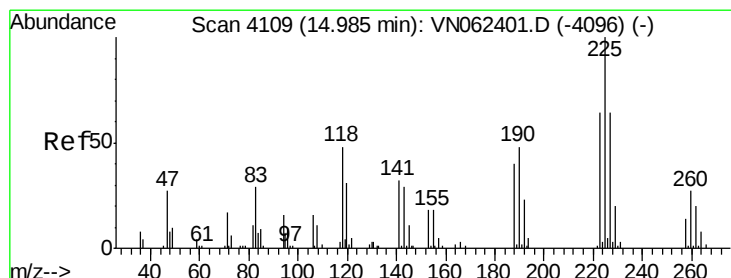
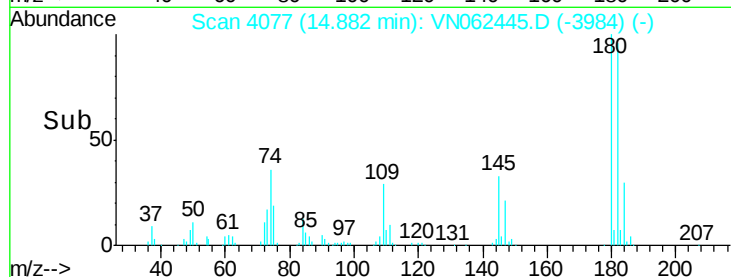
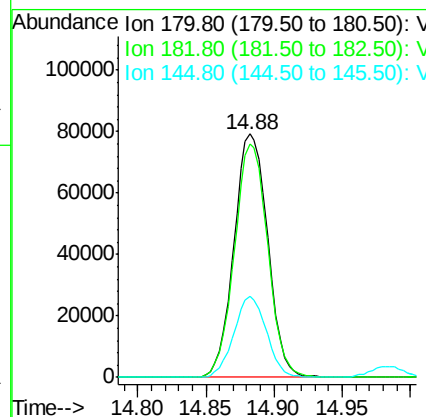
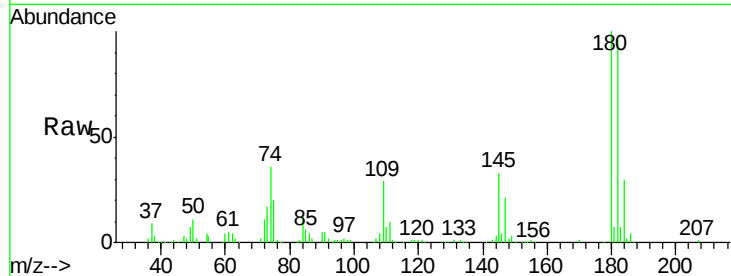
ClientSampled :

VSTDCCC050EC

Tot Ion:	180	Resp:	135964
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.4	145.2
145	32.3	15.5	46.5

Manual Integrations
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7/9/2020 10:59:00 AM



#94

Hexachlorobutadiene

Concen: 49.722 ug/l

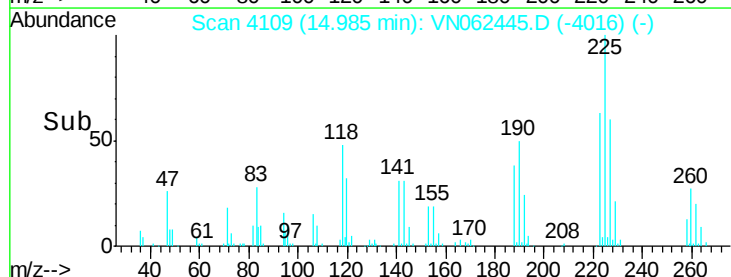
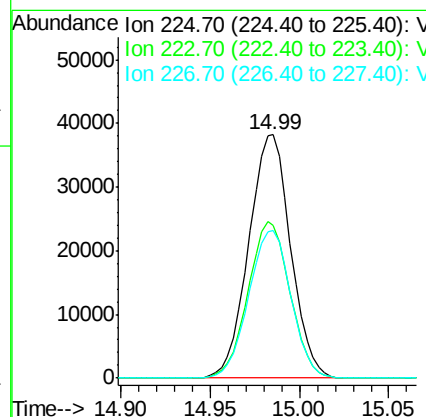
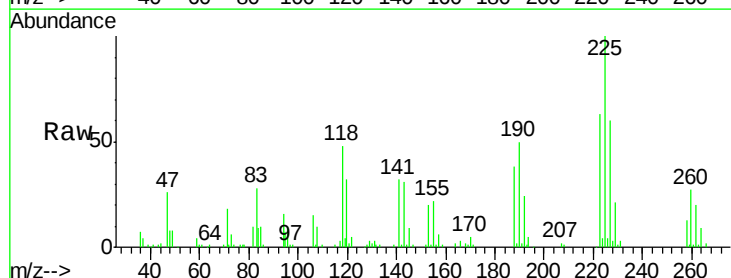
RT: 14.99 min Scan# 4109

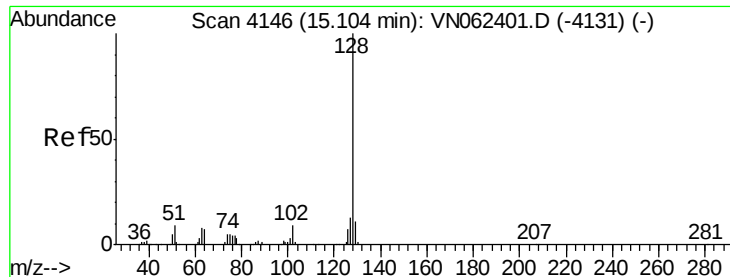
Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Tgt Ion:	225	Resp:	62615
Ion Ratio	Lower	Upper	
225	100		
223	64.2	32.3	96.8
227	61.1	31.9	95.7





#95

Naphthalene

Concen: 98.358 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Instrument :

MSVOA_N

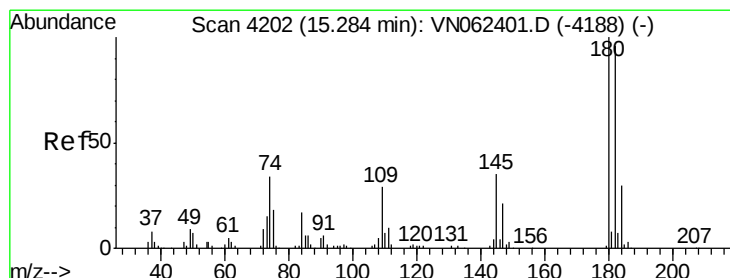
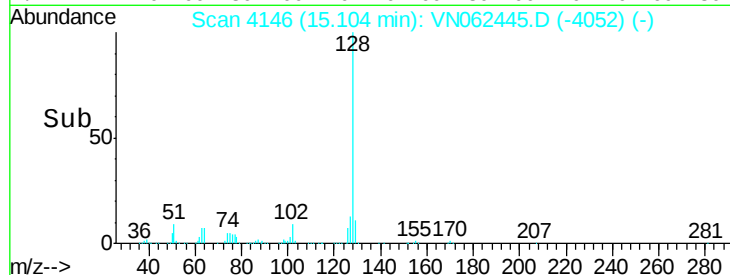
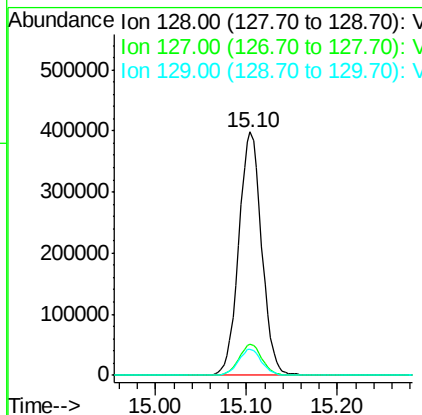
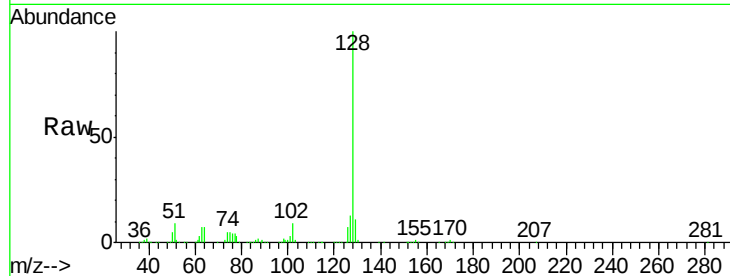
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	692854
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
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7/9/2020 10:59:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.622 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062445.D

Acq: 9 Jul 2020 7:35

Tgt Ion:	180	Resp:	134848
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.8	143.4
145	34.6	17.0	50.9

