

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062520\
 Data File : VN062120.D
 Acq On : 25 Jun 2020 18:54
 Operator : JC/MD
 Sample : VN0625MBSD01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 10:34:16 AM

Quant Time: Jun 26 04:05:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	267003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	471551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	432270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194680	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	176256	47.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.08%	
35) Dibromofluoromethane	7.55	113	143577	47.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.92%	
50) Toluene-d8	10.06	98	573697	47.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.38	95	191640	46.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	53885	17.855	ug/l	98
3) Chloromethane	2.03	50	73164	19.783	ug/l	98
4) Vinyl Chloride	2.16	62	86027	18.100	ug/l	98
5) Bromomethane	2.53	94	54292	17.675	ug/l	95
6) Chloroethane	2.67	64	58083	17.890	ug/l	99
7) Trichlorofluoromethane	2.98	101	104615	17.864	ug/l	99
8) Diethyl Ether	3.38	74	40158	19.638	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56809	18.524	ug/l	98
10) Methyl Iodide	3.91	142	64007	18.532	ug/l	99
11) Tert butyl alcohol	4.74	59	55345	102.876	ug/l	98
12) 1,1-Dichloroethene	3.69	96	56722	18.501	ug/l	95
13) Acrolein	3.57	56	35544	67.483	ug/l	99
14) Allyl chloride	4.27	41	76052	18.220	ug/l	99
15) Acrylonitrile	4.93	53	136947	93.415	ug/l	100
16) Acetone	3.78	43	111299	92.074	ug/l	99
17) Carbon Disulfide	4.01	76	155659	17.759	ug/l	100
18) Methyl Acetate	4.28	43	55191	18.529	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	188665	19.258	ug/l	99
20) Methylene Chloride	4.50	84	65906	19.026	ug/l	94
21) trans-1,2-Dichloroethene	4.98	96	61130	17.503	ug/l	96
22) Diisopropyl ether	5.90	45	175397	18.455	ug/l	98
23) Vinyl Acetate	5.84	43	729641	94.032	ug/l	100
24) 1,1-Dichloroethane	5.80	63	109739	17.931	ug/l	99
25) 2-Butanone	6.79	43	169838	92.734	ug/l	100
26) 2,2-Dichloropropane	6.78	77	84806	16.629	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	69554	17.698	ug/l	98
28) Bromochloromethane	7.15	49	45010	16.951	ug/l	97
29) Tetrahydrofuran	7.17	42	114547	95.480	ug/l	99
30) Chloroform	7.33	83	111756	17.948	ug/l	96
31) Cyclohexane	7.61	56	92966	17.958	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	94111	17.922	ug/l	99
36) 1,1-Dichloropropene	7.75	75	80501	16.984	ug/l	99
37) Ethyl Acetate	6.88	43	66737	17.004	ug/l	96
38) Carbon Tetrachloride	7.73	117	79562	17.805	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	91167	17.555	ug/l	99
40) Benzene	8.00	78	256862	17.780	ug/l	99
41) Methacrylonitrile	7.13	41	32711	17.977	ug/l	98
42) 1,2-Dichloroethane	8.08	62	86356	17.692	ug/l	98
43) Isopropyl Acetate	8.13	43	122573	19.158	ug/l	99
44) Trichloroethene	8.80	130	65028	17.844	ug/l	99
45) 1,2-Dichloropropane	9.08	63	64171	18.005	ug/l	99
46) Dibromomethane	9.17	93	42445	17.565	ug/l	99
47) Bromodichloromethane	9.37	83	85946	17.615	ug/l	99
48) Methyl methacrylate	9.17	41	52049	18.144	ug/l	96
49) 1,4-Dioxane	9.17	88	24045	377.963	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	356858	95.465	ug/l	99
52) Toluene	10.12	92	161864	18.363	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	93351	17.390	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	103069	18.035	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	62709	18.098	ug/l	97
56) Ethyl methacrylate	10.40	69	87825	18.993	ug/l	97
57) 1,3-Dichloropropane	10.68	76	107270	17.986	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	163972	94.025	ug/l	99
59) 2-Hexanone	10.72	43	255963	94.826	ug/l	100
60) Dibromochloromethane	10.87	129	65955	17.979	ug/l	95
61) 1,2-Dibromoethane	10.98	107	64371	18.080	ug/l	99
64) Tetrachloroethene	10.60	164	54697	18.524	ug/l	98
65) Chlorobenzene	11.41	112	169325	17.837	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	60380	18.395	ug/l	99
67) Ethyl Benzene	11.48	91	302838	18.890	ug/l	98
68) m/p-Xylenes	11.59	106	231032	37.258	ug/l	99
69) o-Xylene	11.92	106	112982	19.311	ug/l	100
70) Styrene	11.94	104	177731	18.215	ug/l	97
71) Bromoform	12.10	173	43044	18.443	ug/l #	98
73) Isopropylbenzene	12.22	105	291310	19.331	ug/l	99
74) N-amyl acetate	12.05	43	98116	19.847	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	92278	18.401	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	83488m	18.217	ug/l	
77) Bromobenzene	12.50	156	74165	19.823	ug/l	91
78) n-propylbenzene	12.57	91	330202	19.156	ug/l	99
79) 2-Chlorotoluene	12.65	91	196160	18.824	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	238420	19.516	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	27171	17.314	ug/l	98
82) 4-Chlorotoluene	12.75	91	197816	18.357	ug/l	99
83) tert-Butylbenzene	12.97	119	203113	19.428	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	240226	19.689	ug/l	100
85) sec-Butylbenzene	13.15	105	261797	18.951	ug/l	98
86) p-Isopropyltoluene	13.26	119	234539	19.378	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	123127	18.741	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	121624	17.959	ug/l	98
89) n-Butylbenzene	13.59	91	188028	18.686	ug/l	99
90) Hexachloroethane	13.85	117	40987	17.260	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	121040	18.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	15282	19.023	ug/l	94

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VN0625MBSD01

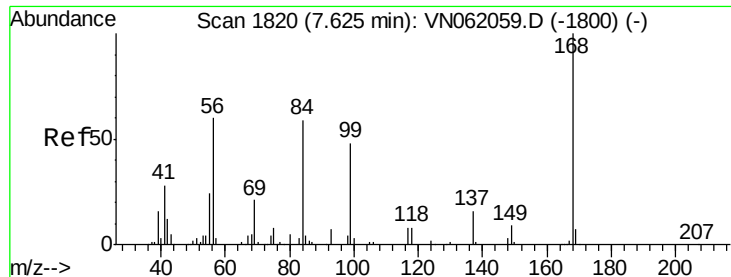
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	54839	19.704	ug/l	99
94) Hexachlorobutadiene	14.98	225	22738	18.811	ug/l	97
95) Naphthalene	15.10	128	175063	21.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	56383	19.813	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: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBSD01

Tot Ion:168 Resp: 267003

Ion Ratio Lower Upper

168 100

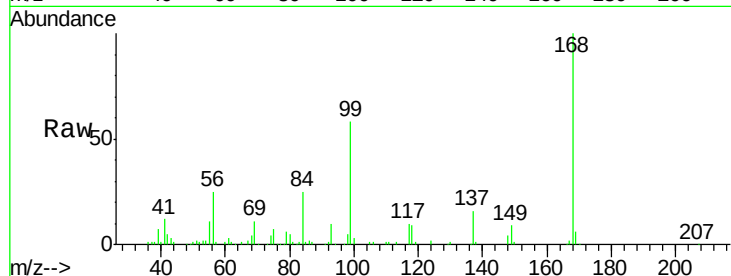
99 57.8 45.8 68.8

Manual Integrations

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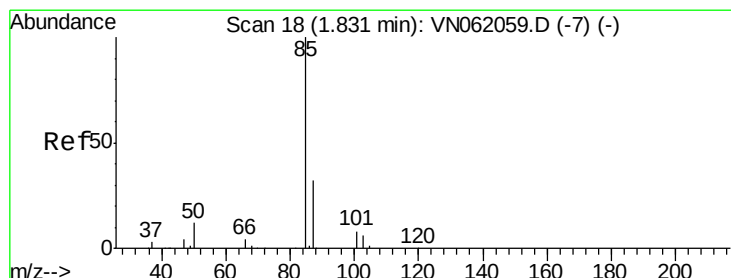
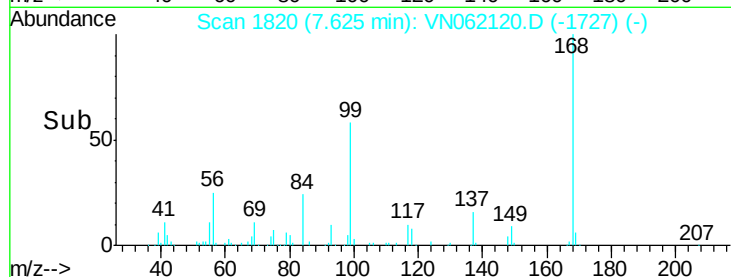
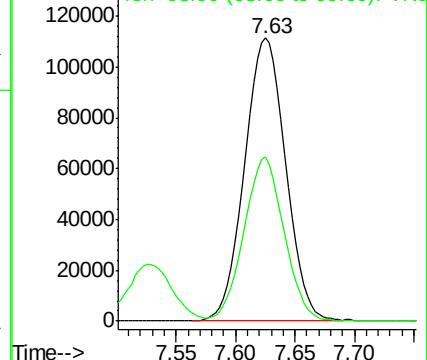
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.855 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062120.D

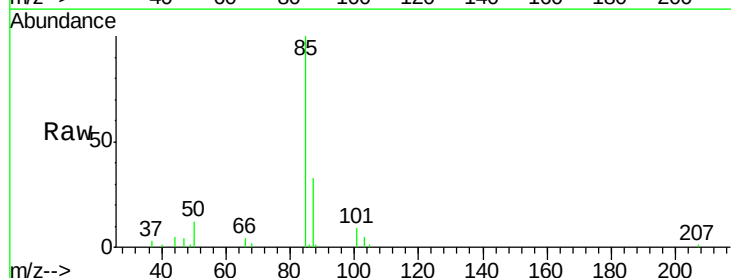
Acq: 25 Jun 2020 18:54

Tgt Ion: 85 Resp: 53885

Ion Ratio Lower Upper

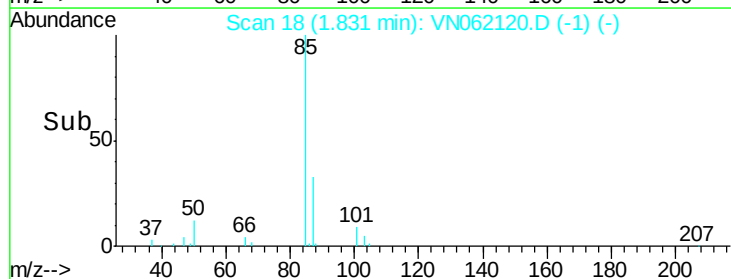
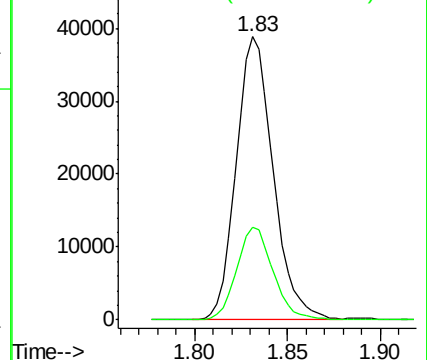
85 100

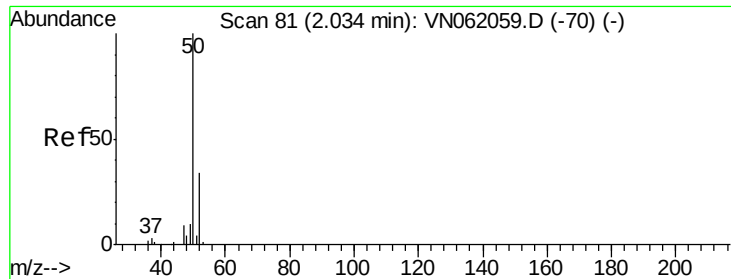
87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.783 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBSD01

Tot Ion: 50 Resp: 73164

Ion Ratio Lower Upper

50 100

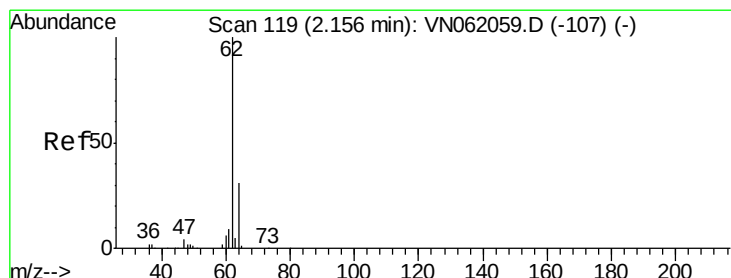
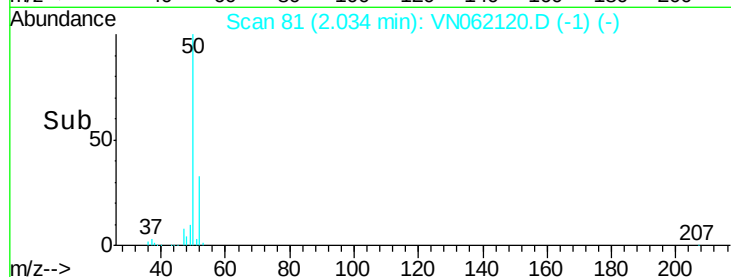
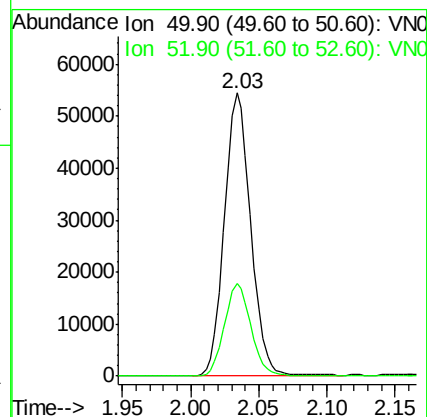
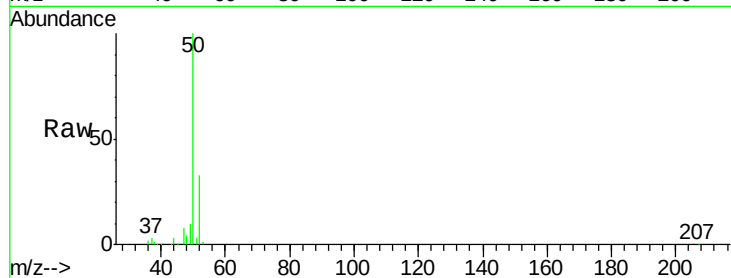
52 32.9 27.0 40.6

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#4

Vinyl Chloride

Concen: 18.100 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062120.D

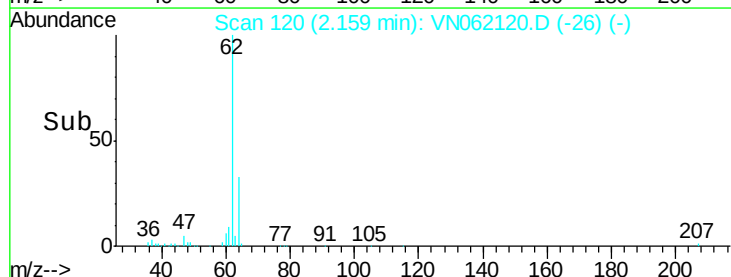
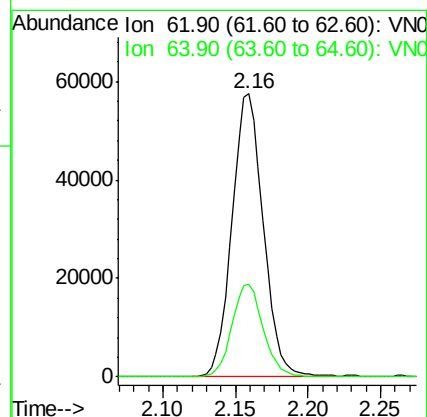
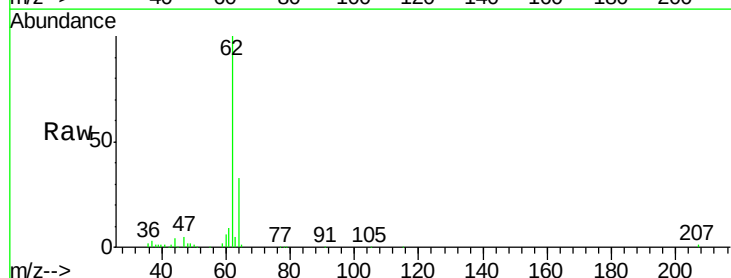
Acq: 25 Jun 2020 18:54

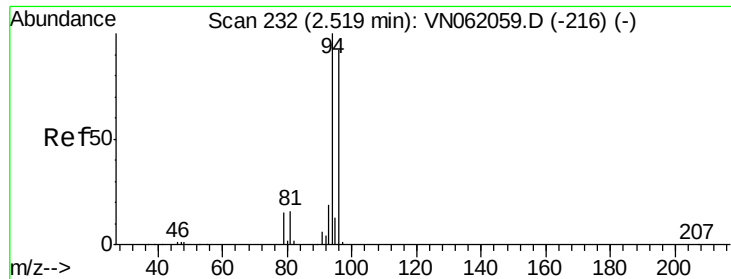
Tgt Ion: 62 Resp: 86027

Ion Ratio Lower Upper

62 100

64 32.7 25.1 37.7





#5

Bromomethane

Concen: 17.675 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBSD01

Tot Ion: 94 Resp: 54292

Ion Ratio Lower Upper

94 100

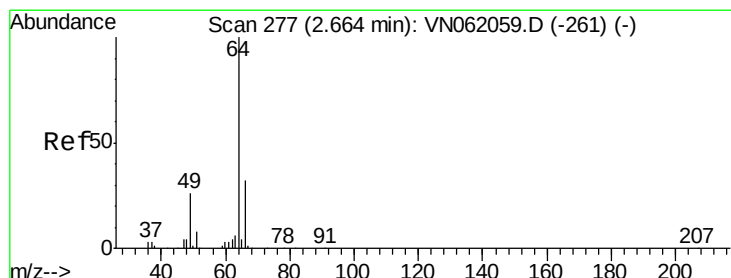
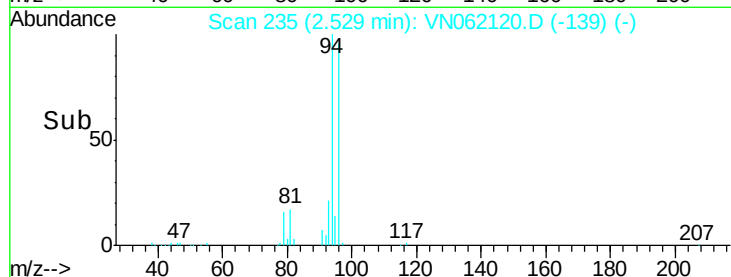
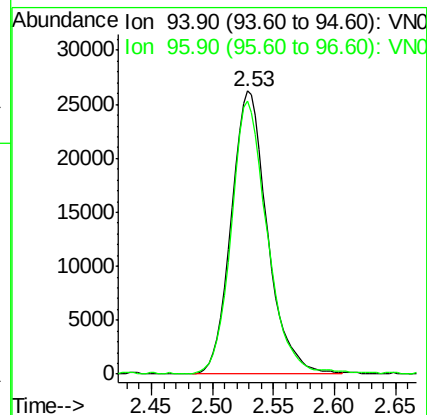
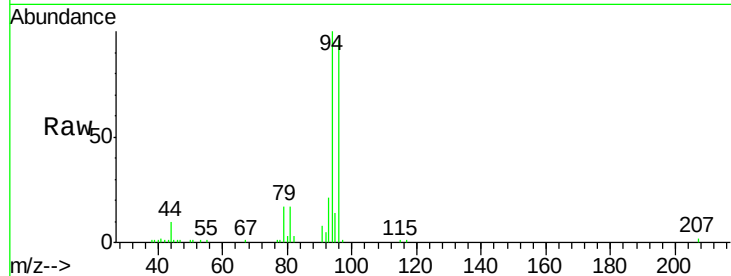
96 96.4 73.4 110.2

Manual Integrations

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#6

Chloroethane

Concen: 17.890 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062120.D

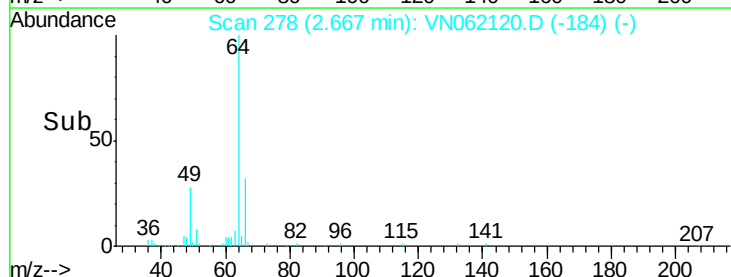
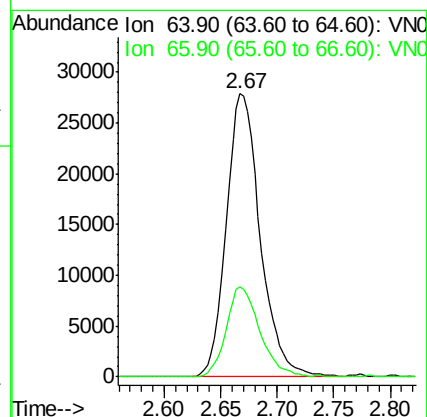
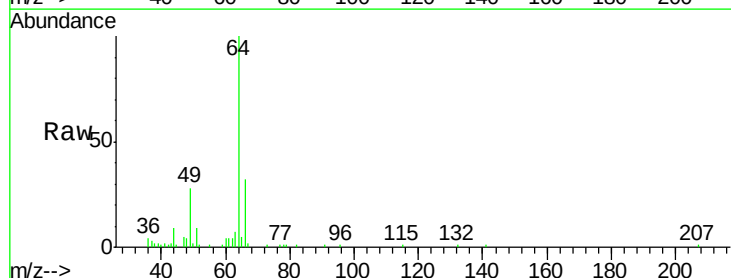
Acq: 25 Jun 2020 18:54

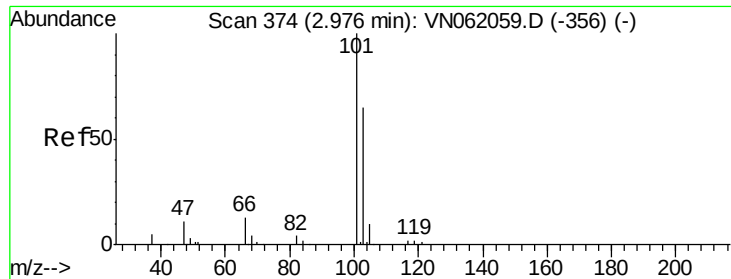
Tgt Ion: 64 Resp: 58083

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.6





#7

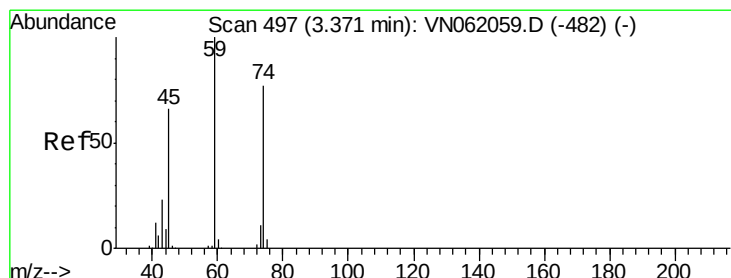
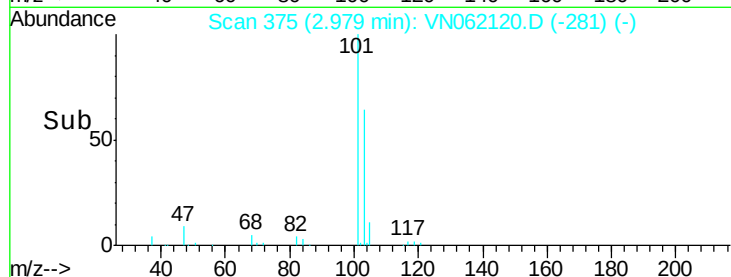
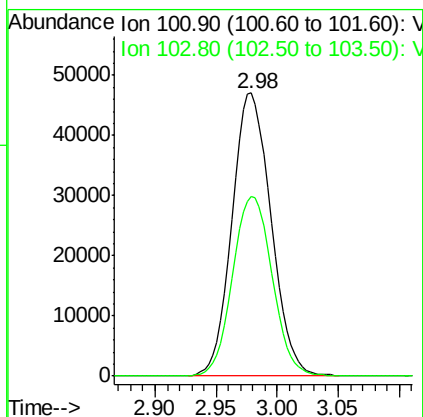
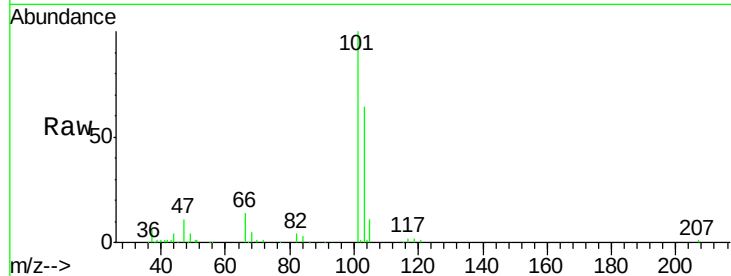
Trichlorofluoromethane
 Concen: 17.864 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
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 VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.8	77.6

Manual Integrations
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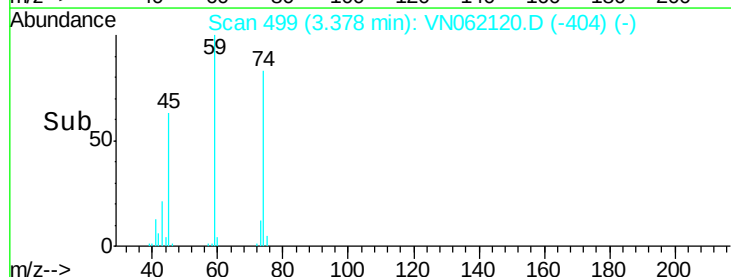
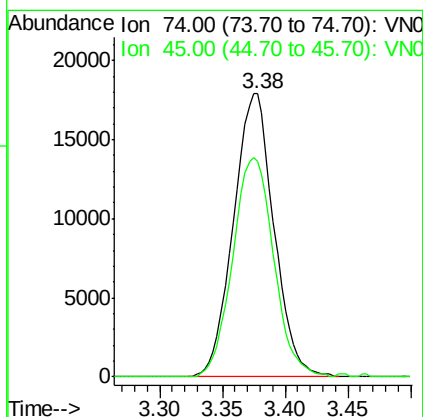
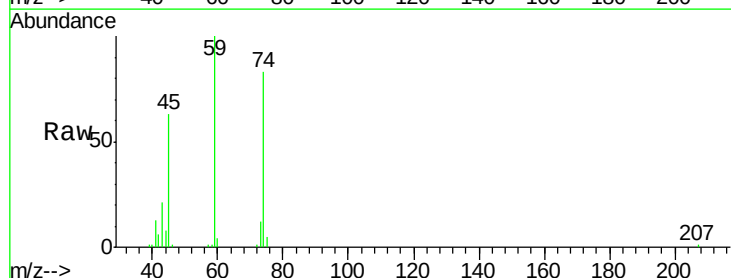
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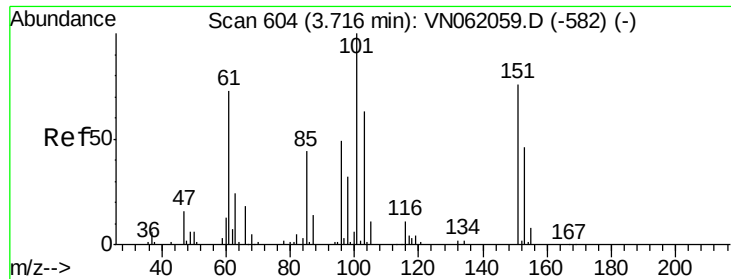


#8

Diethyl Ether
 Concen: 19.638 ug/l
 RT: 3.38 min Scan# 499
 Delta R.T. 0.01 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.6	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.524 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN062120.D

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Instrument :

MSVOA_N

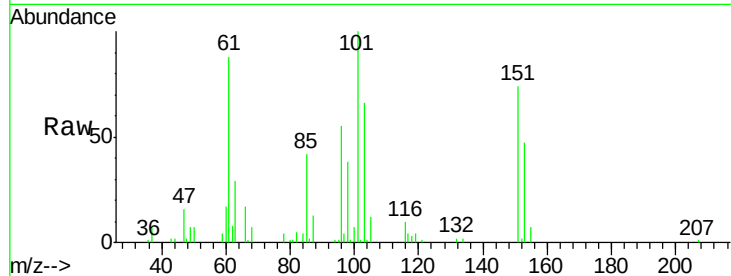
ClientSampleId :

VN0625MBSD01

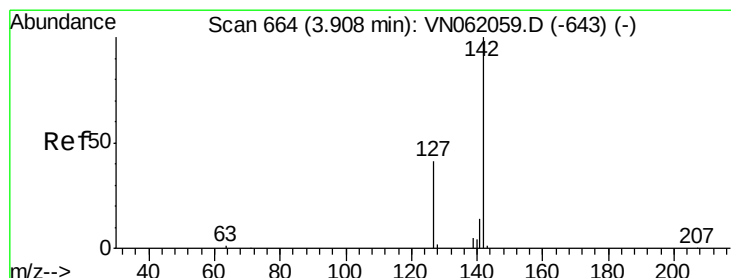
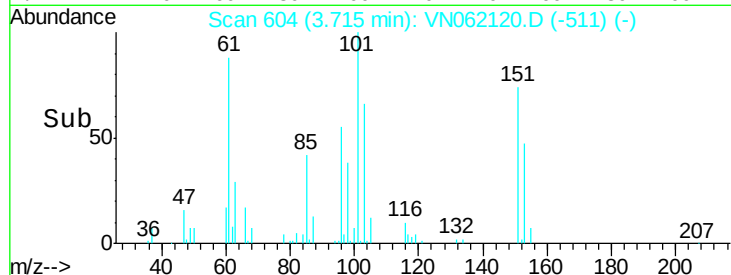
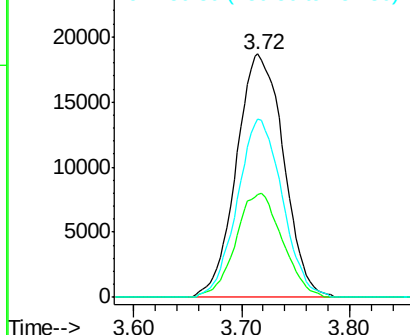
Tot Ion:	101	Resp:	56809
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.5	51.7
151	69.9	57.8	86.8

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



#10

Methyl Iodide

Concen: 18.532 ug/l

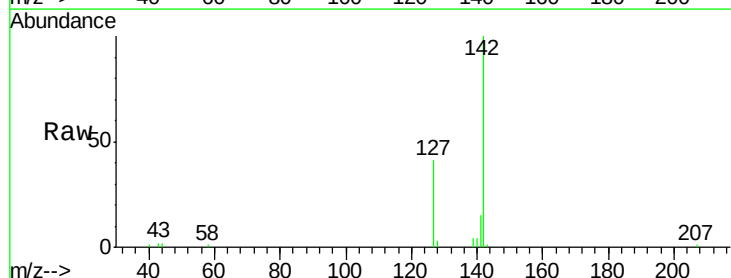
RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

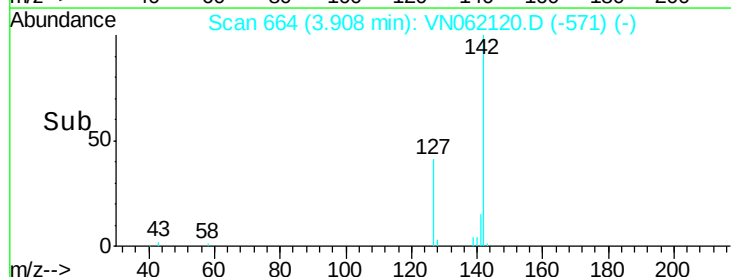
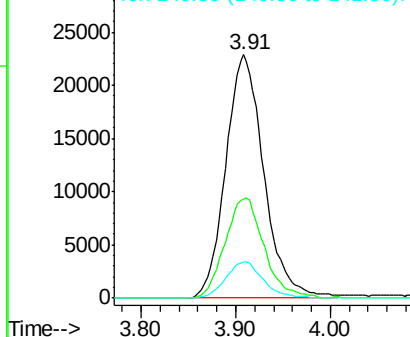
Lab File: VN062120.D

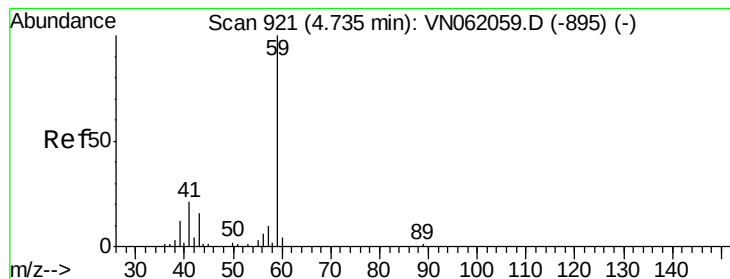
Acq: 25 Jun 2020 18:54

Tgt Ion:	142	Resp:	64007
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.6	50.4
141	14.6	11.3	16.9



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

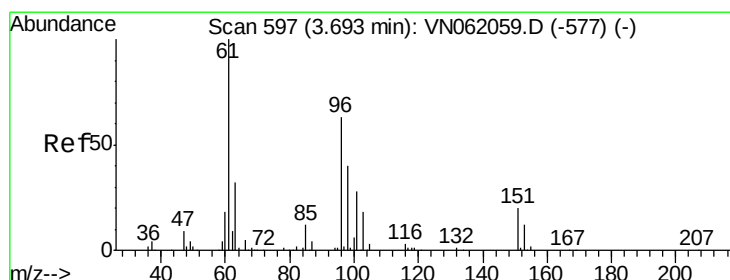
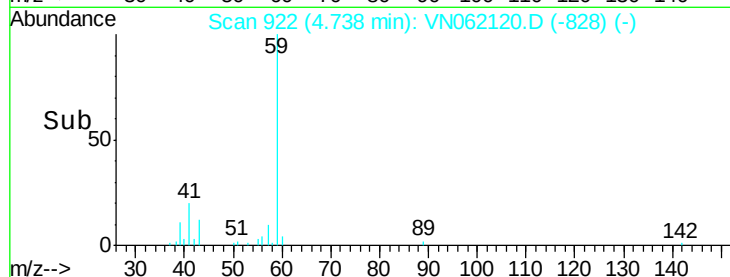
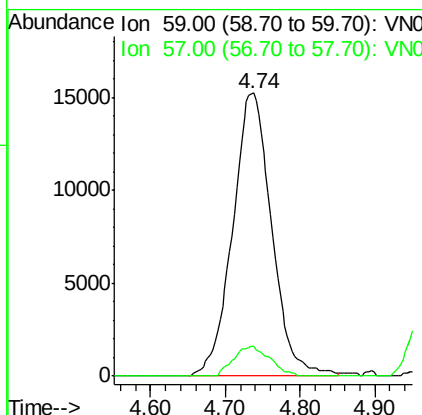
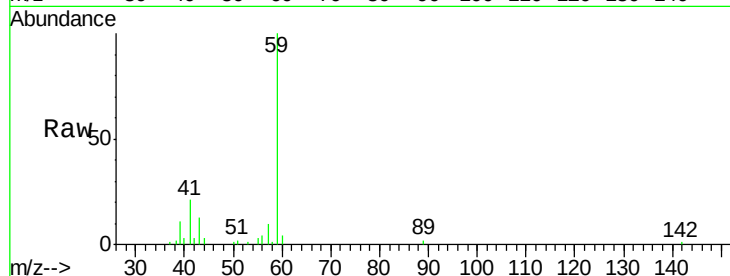
Tert butyl alcohol
Concen: 102.876 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

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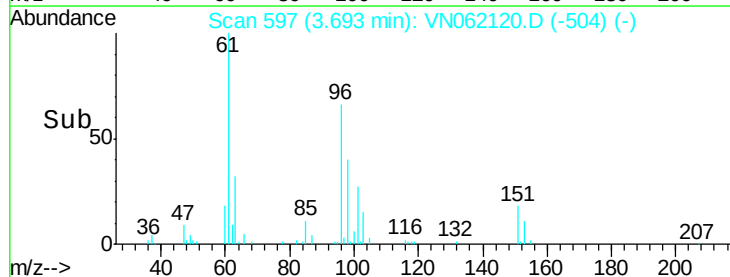
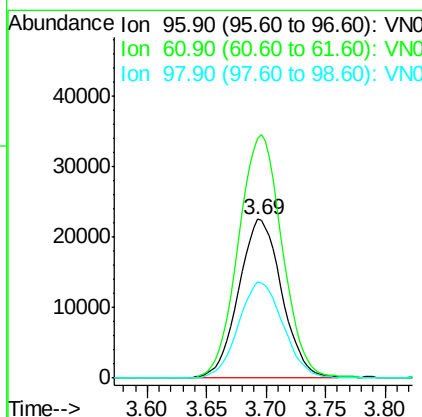
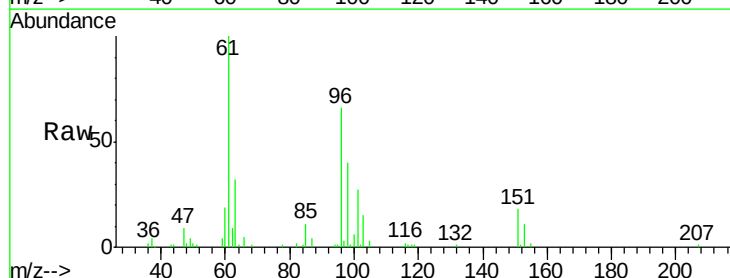
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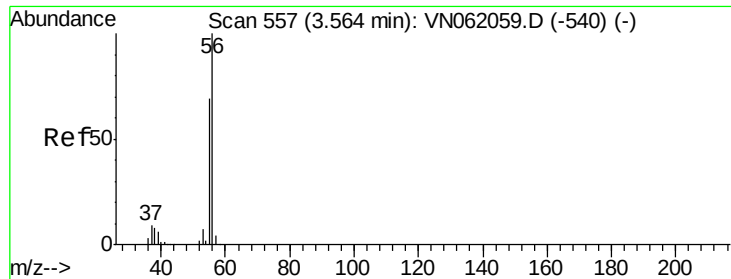


#12

1,1-Dichloroethene
Concen: 18.501 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.8	126.7	190.1
98	60.5	51.0	76.4





#13

Acrolein

Concen: 67.483 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBSD01

Tot Ion: 56 Resp: 35544

Ion Ratio Lower Upper

56 100

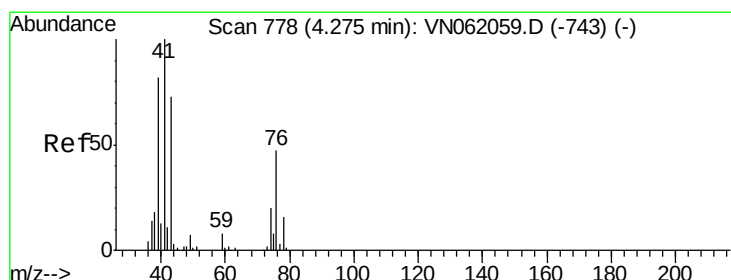
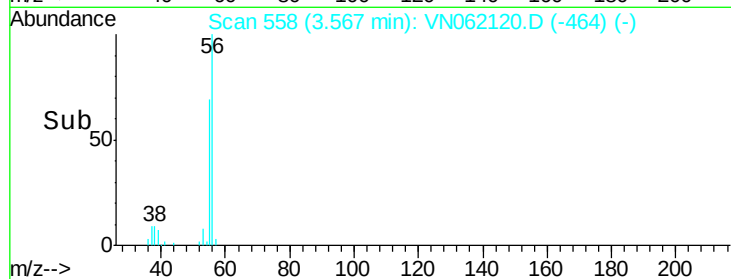
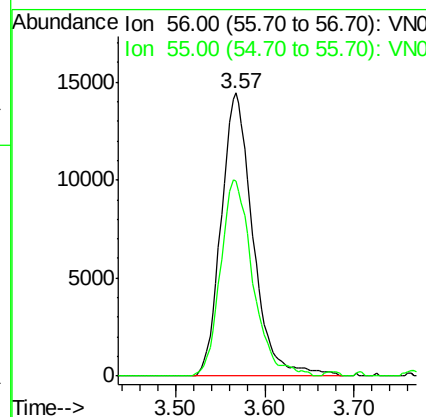
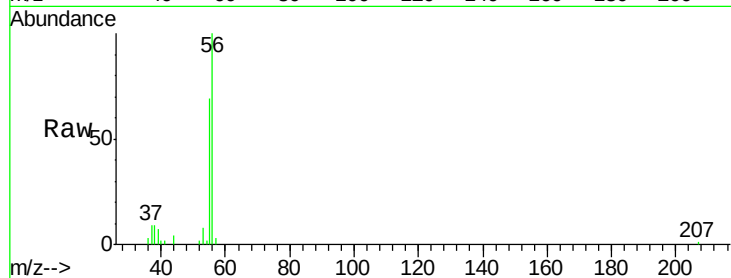
55 70.6 55.5 83.3

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#14

Allyl chloride

Concen: 18.220 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

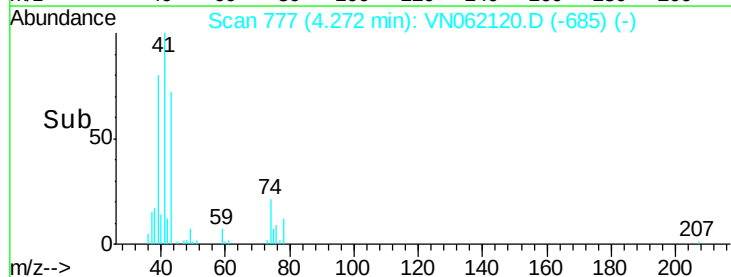
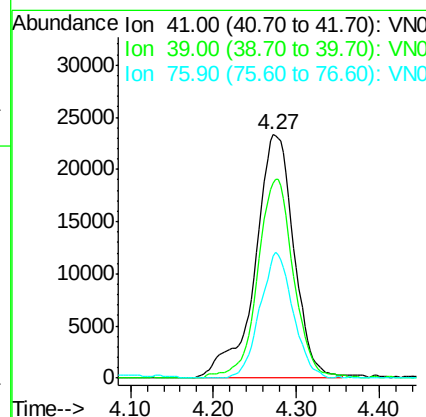
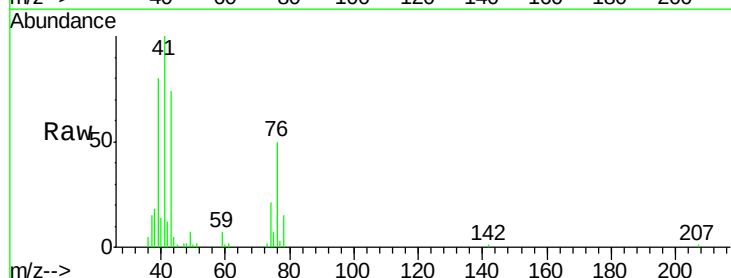
Tgt Ion: 41 Resp: 76052

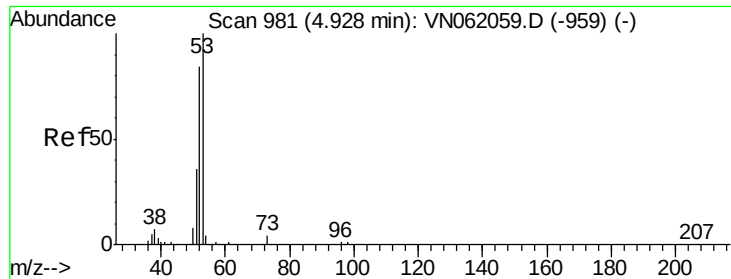
Ion Ratio Lower Upper

41 100

39 75.4 60.0 90.0

76 43.9 34.1 51.1





#15

Acrylonitrile

Concen: 93.415 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

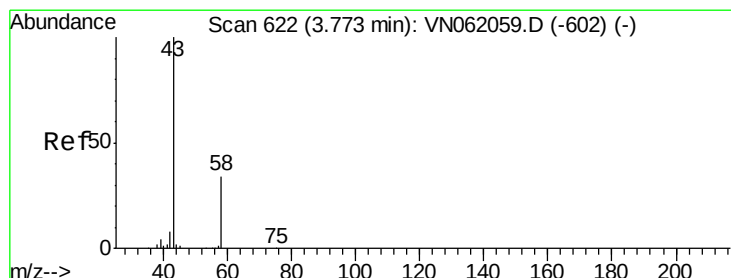
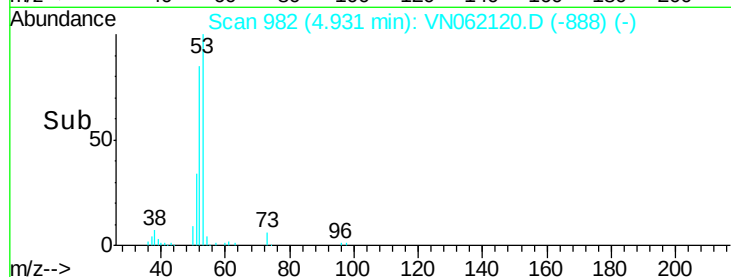
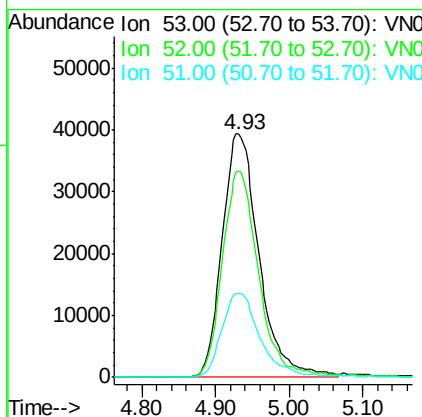
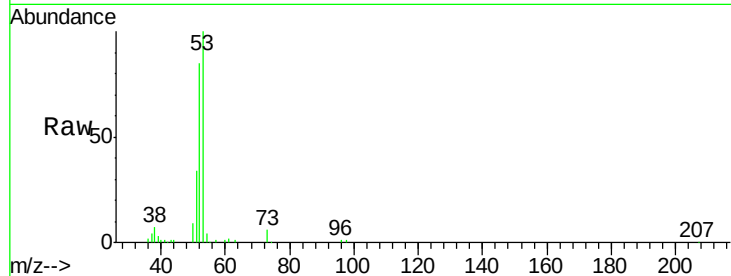
ClientSampleId :

VN0625MBSD01

Tot Ion:	53	Resp:	136947
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.2	99.4
51	35.8	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 92.074 ug/l

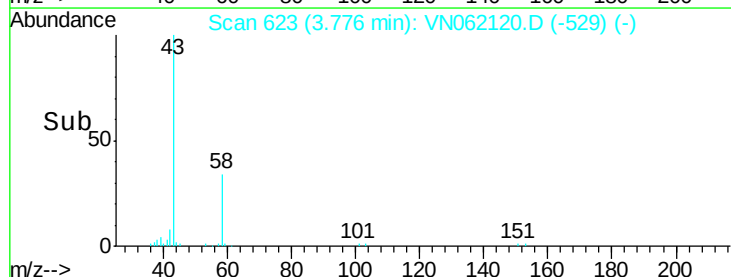
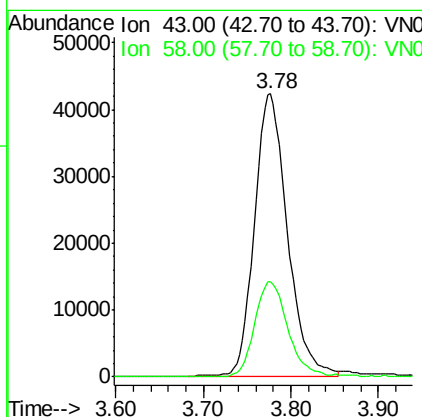
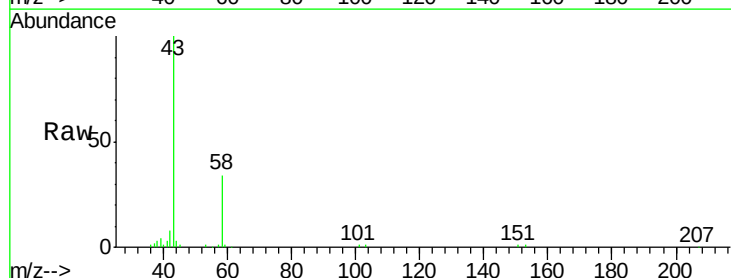
RT: 3.78 min Scan# 623

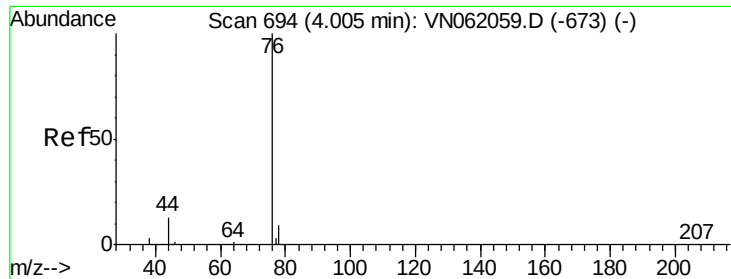
Delta R.T. 0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Tgt Ion:	43	Resp:	111299
Ion Ratio	Lower	Upper	
43	100		
58	33.8	27.5	41.3





#17

Carbon Disulfide

Concen: 17.759 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBSD01

Tot Ion: 76 Resp: 155659

Ion Ratio Lower Upper

76 100

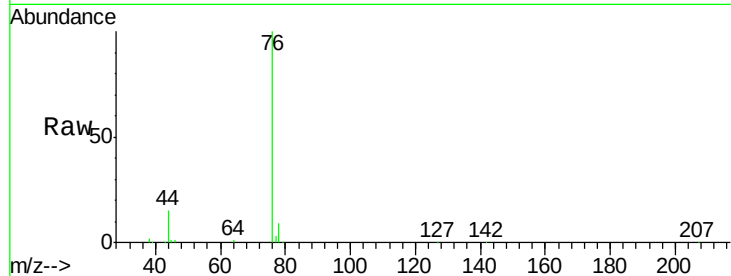
78 9.2 7.2 10.8

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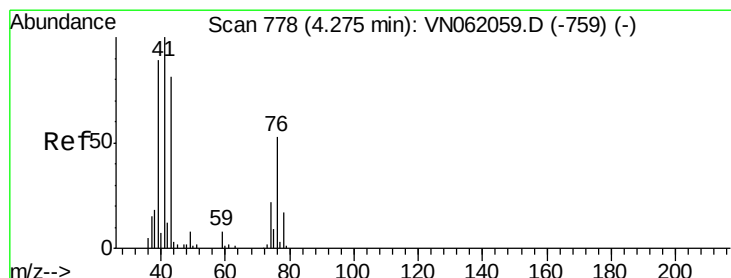
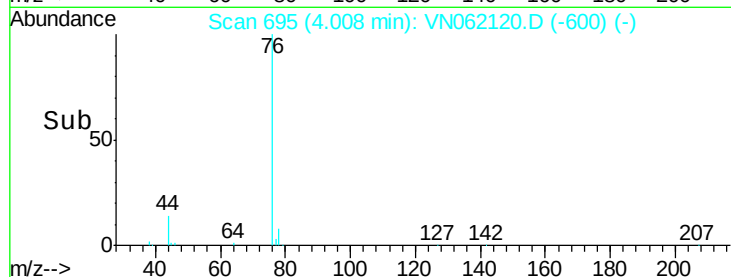
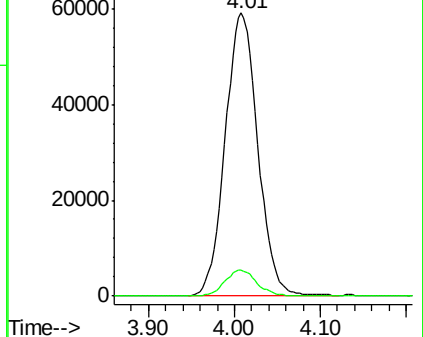
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Abundance Ion 75.90 (75.60 to 76.60): VN062120.D (-600) (-)

Ion 77.90 (77.60 to 78.60): VN062120.D (-600) (-)



#18

Methyl Acetate

Concen: 18.529 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062120.D

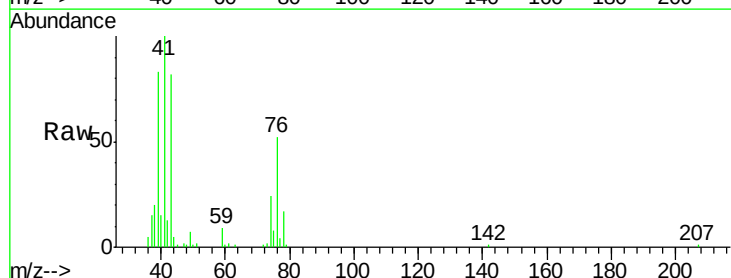
Acq: 25 Jun 2020 18:54

Tgt Ion: 43 Resp: 55191

Ion Ratio Lower Upper

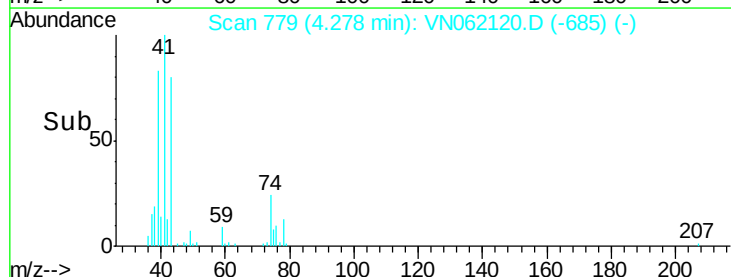
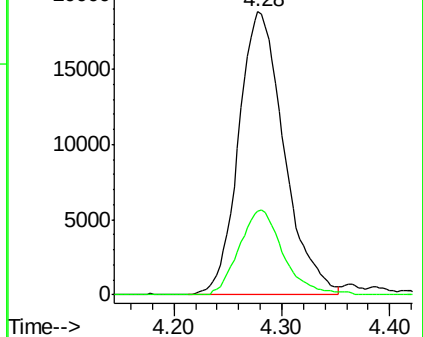
43 100

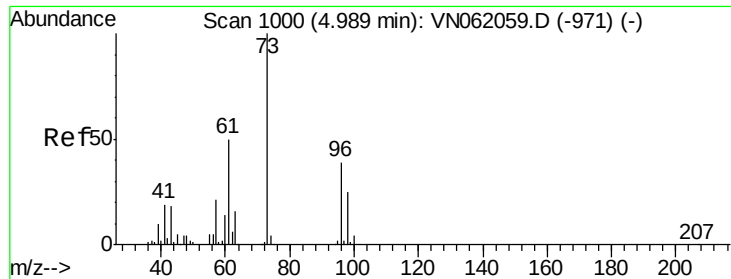
74 29.0 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VN062120.D (-685) (-)

Ion 74.00 (73.70 to 74.70): VN062120.D (-685) (-)





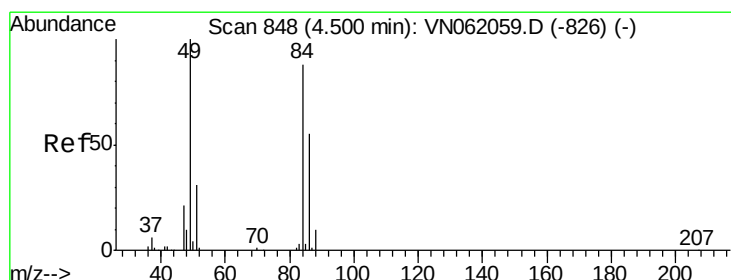
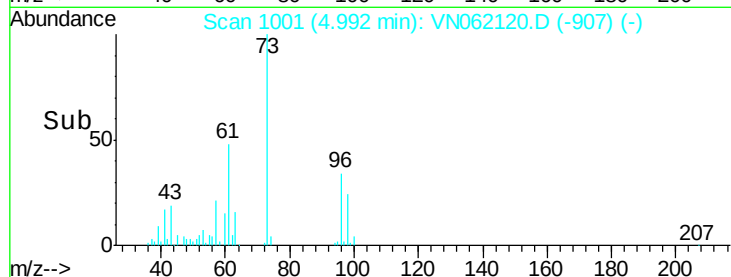
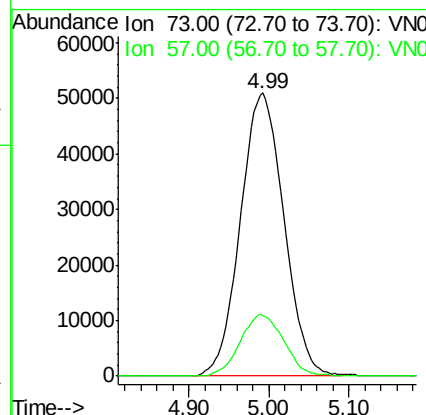
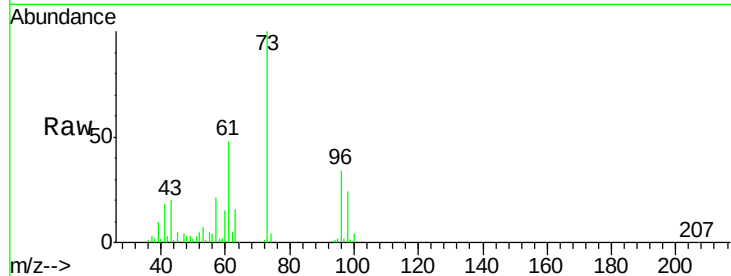
#19
Methyl tert-butyl Ether
Concen: 19.258 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion: 73 Resp: 188665
Ion Ratio Lower Upper
73 100
57 21.3 16.6 24.8

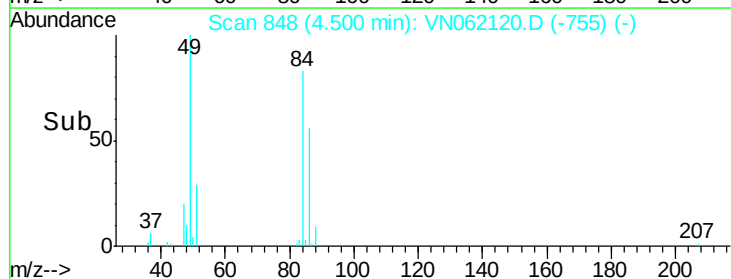
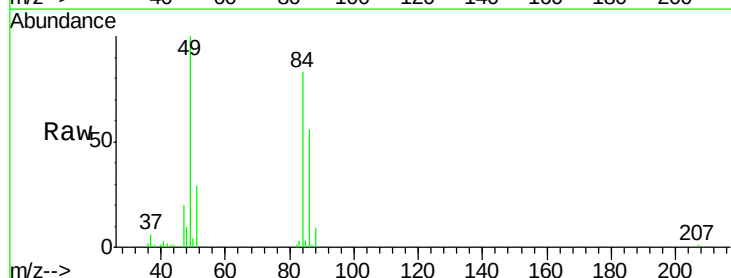
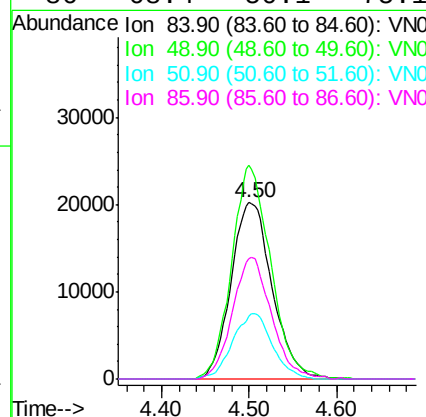
Manual Integrations
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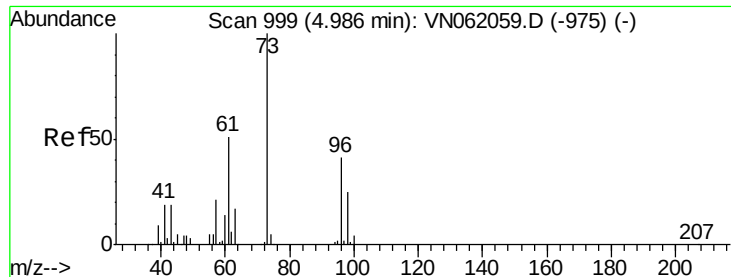
MMDadoda
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#20
Methylene Chloride
Concen: 19.026 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion: 84 Resp: 65906
Ion Ratio Lower Upper
84 100
49 121.1 90.6 136.0
51 35.4 27.8 41.8
86 68.4 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 17.503 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

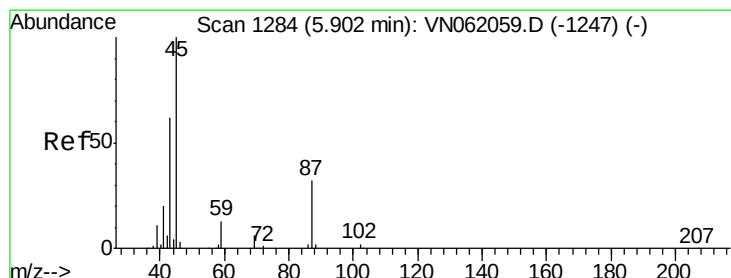
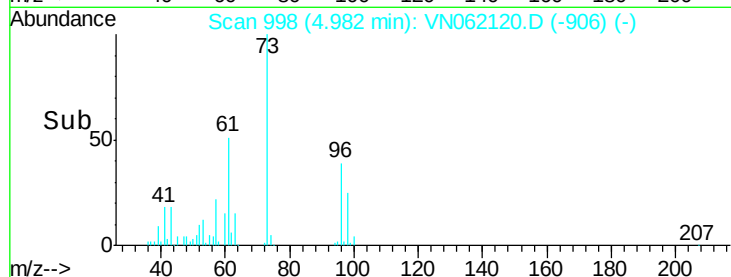
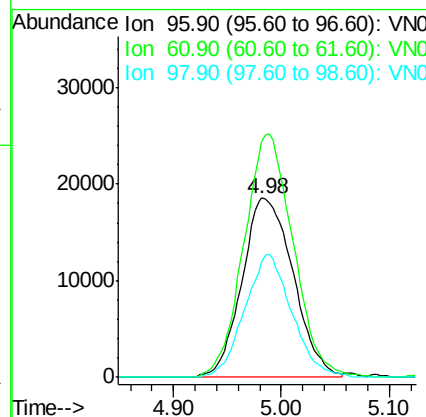
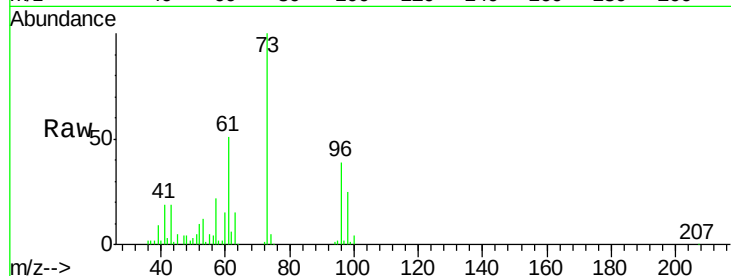
ClientSampled :

VN0625MBSD01

Tot Ion:	96	Resp:	61130
Ion	Ratio	Lower	Upper
96	100		
61	131.4	101.4	152.2
98	64.6	49.3	73.9

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#22

Diisopropyl ether

Concen: 18.455 ug/l

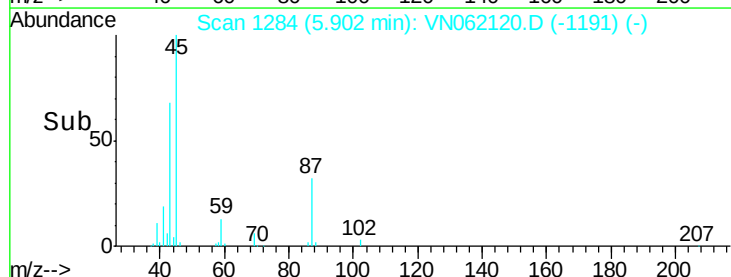
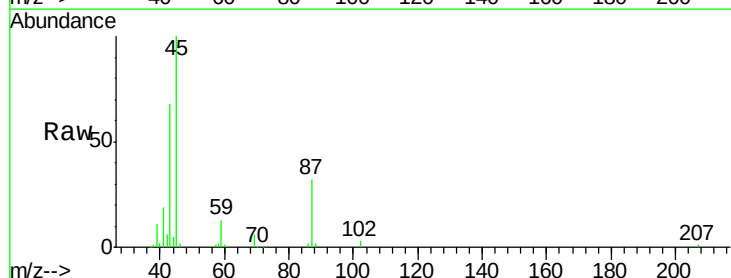
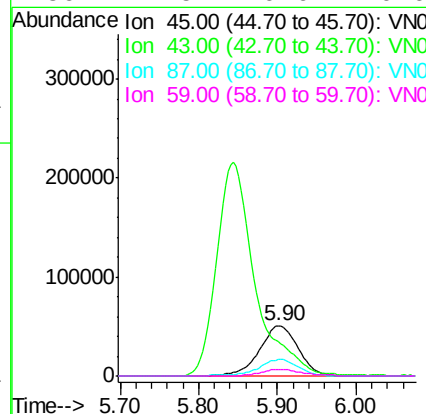
RT: 5.90 min Scan# 1284

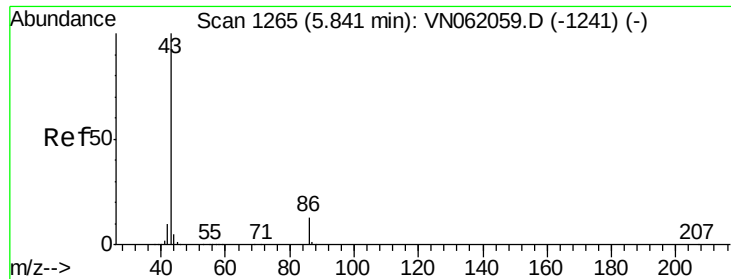
Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Tgt Ion:	45	Resp:	175397
Ion	Ratio	Lower	Upper
45	100		
43	64.9	49.7	74.5
87	32.2	25.9	38.9
59	12.5	10.6	16.0





#23

Vinyl Acetate

Concen: 94.032 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleID :

VN0625MBSD01

Tot Ion: 43 Resp: 729641

Ion Ratio Lower Upper

43 100

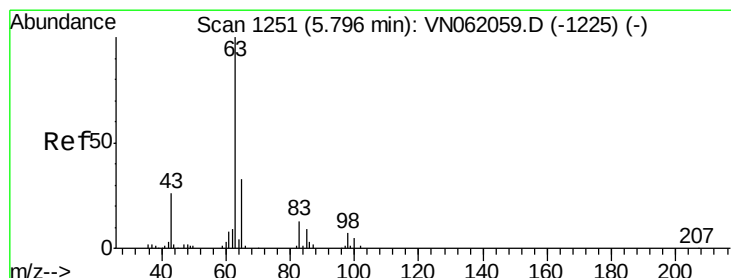
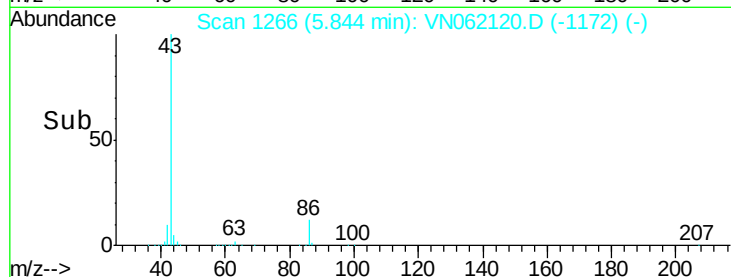
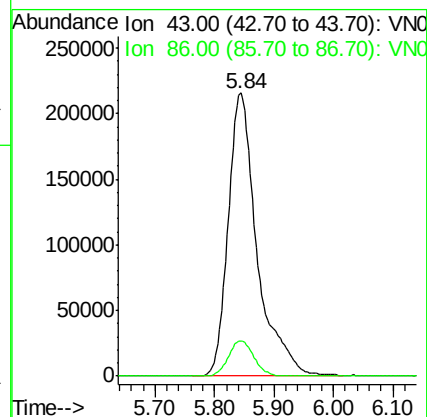
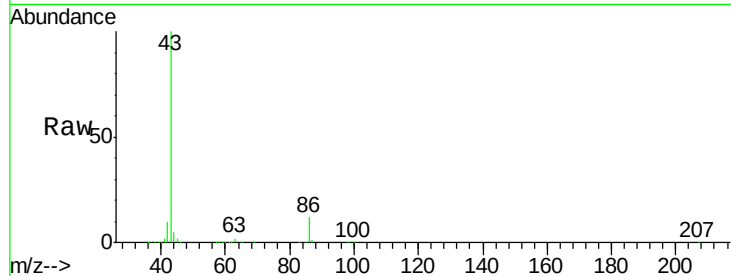
86 12.4 10.1 15.1

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#24

1,1-Dichloroethane

Concen: 17.931 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

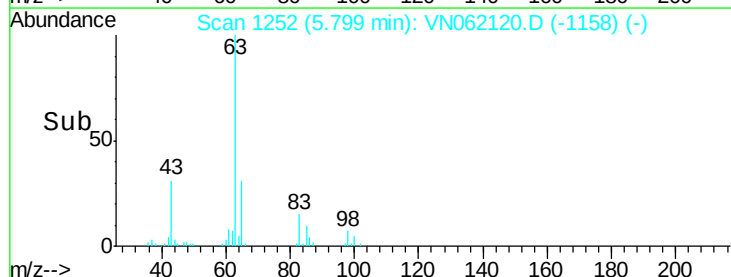
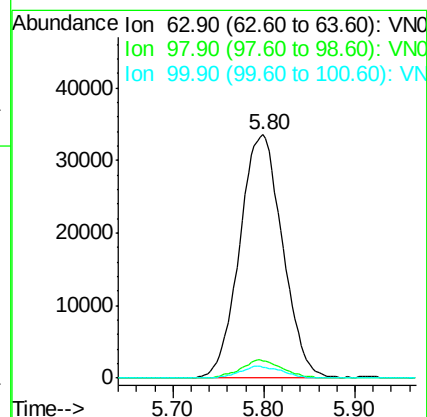
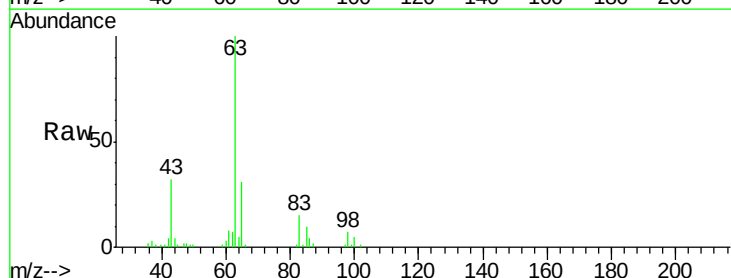
Tgt Ion: 63 Resp: 109739

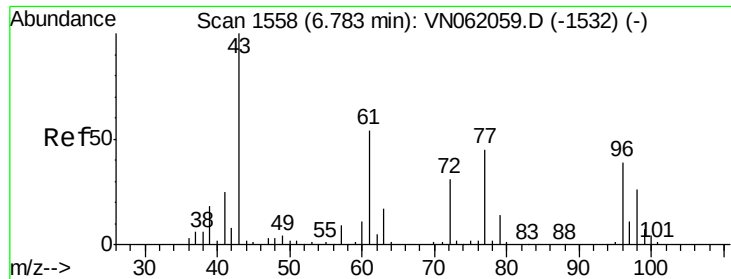
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.9

100 4.6 2.4 7.1





#25

2-Butanone

Concen: 92.734 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBSD01

Tot Ion: 43 Resp: 169838

Ion Ratio Lower Upper

43 100

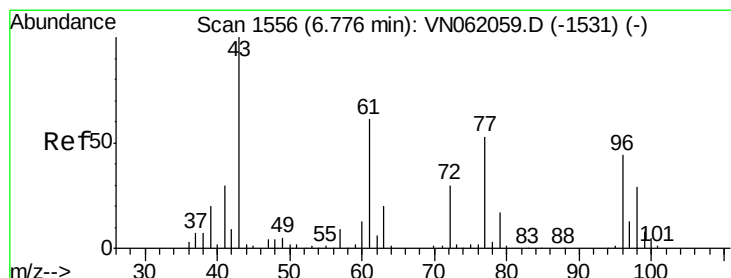
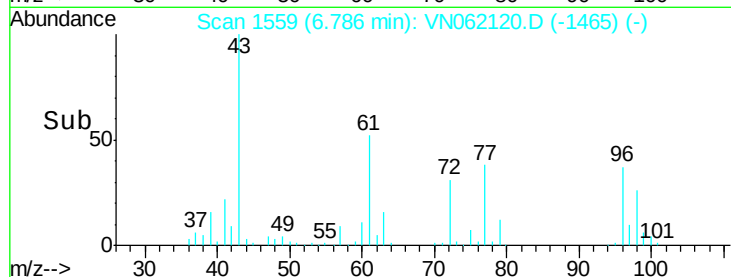
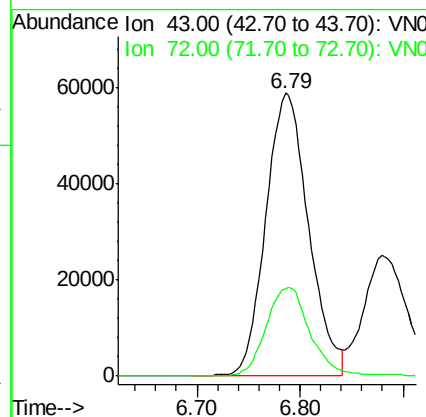
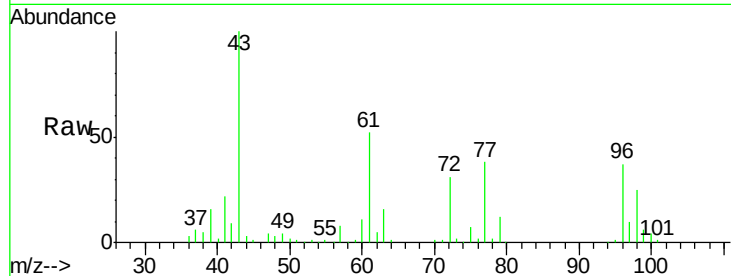
72 31.1 24.8 37.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.629 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062120.D

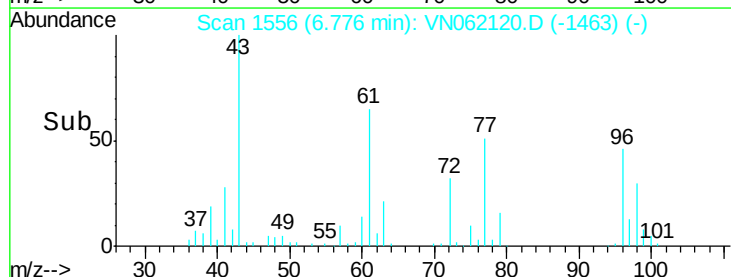
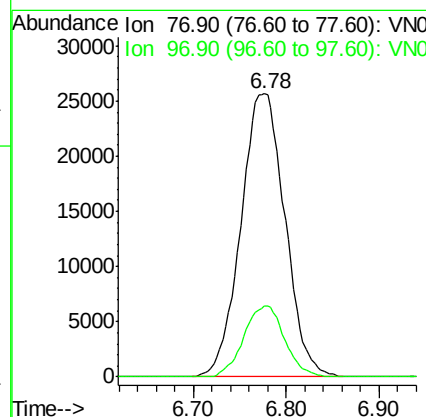
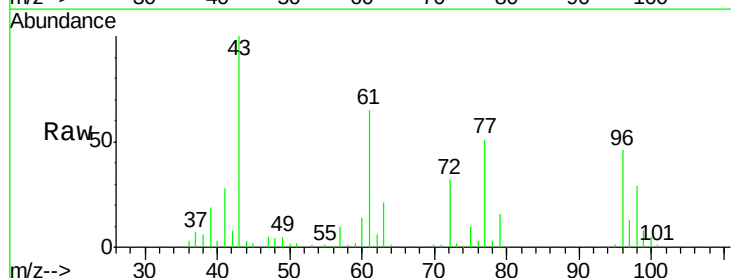
Acq: 25 Jun 2020 18:54

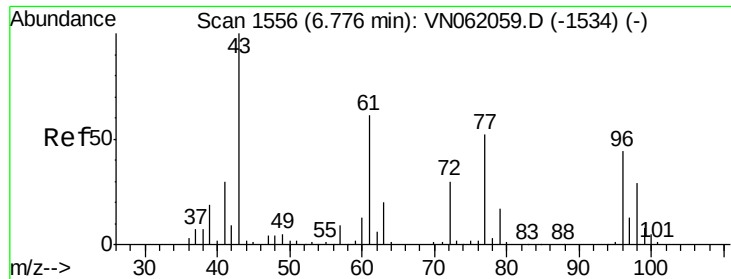
Tgt Ion: 77 Resp: 84806

Ion Ratio Lower Upper

77 100

97 23.2 11.8 35.3





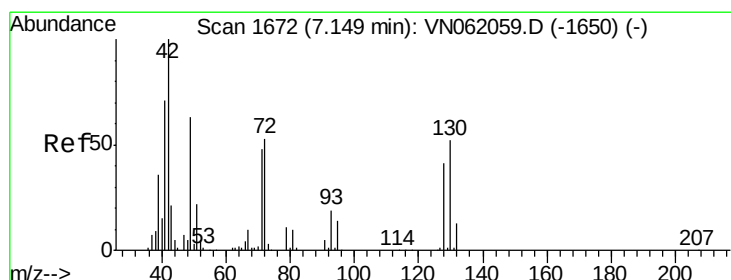
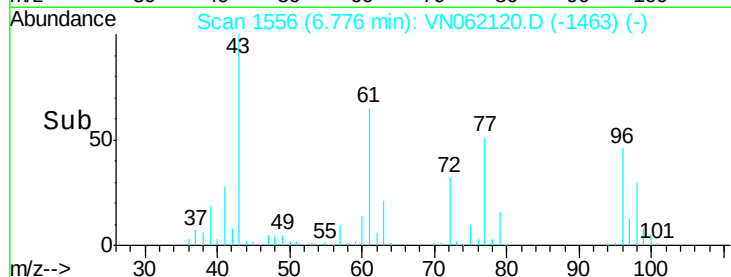
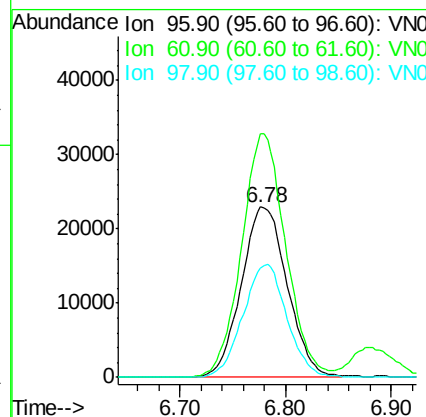
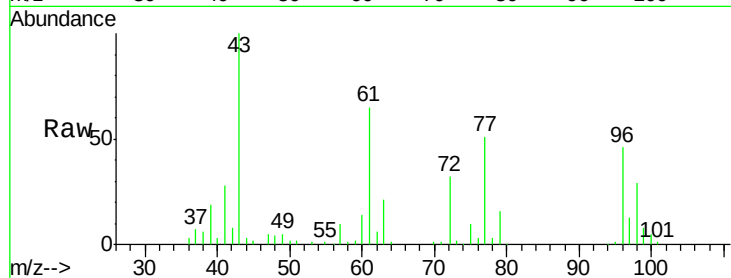
#27
 cis-1,2-Dichloroethene
 Concen: 17.698 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	280.4
98	63.4	0.0	129.4

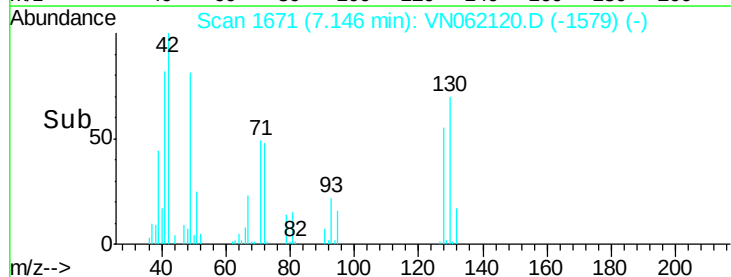
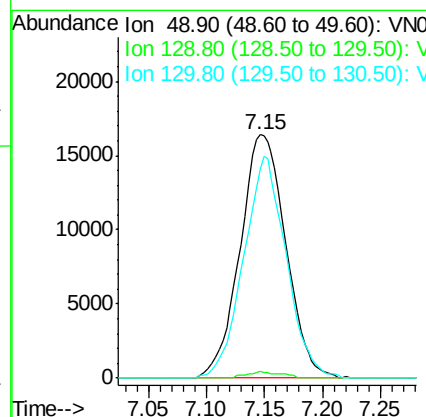
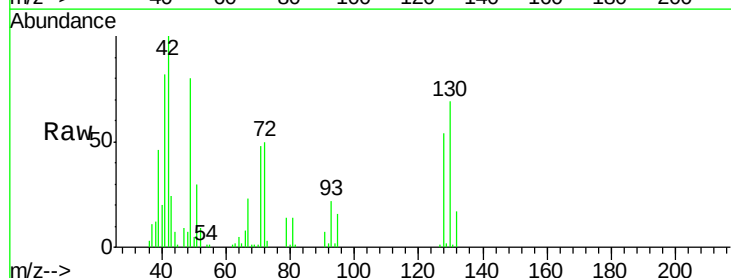
Manual Integrations
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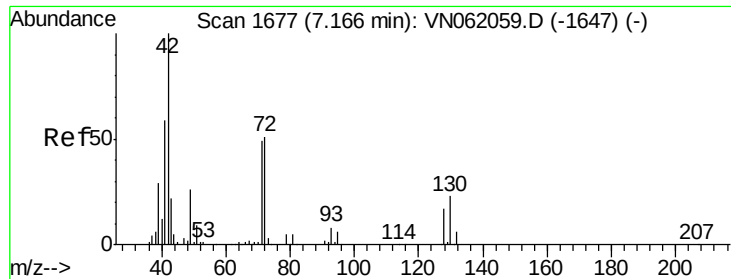
MMDadoda
 6/26/2020 10:34:16 AM



#28
 Bromochloromethane
 Concen: 16.951 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	84.8	65.5	98.3





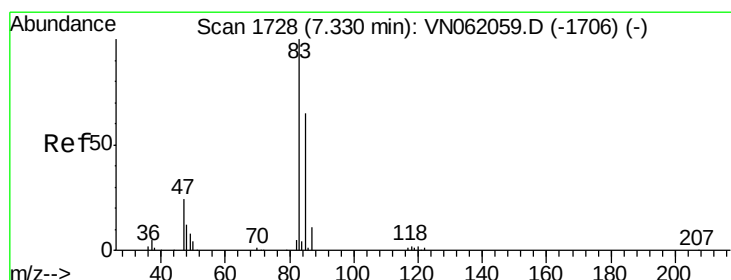
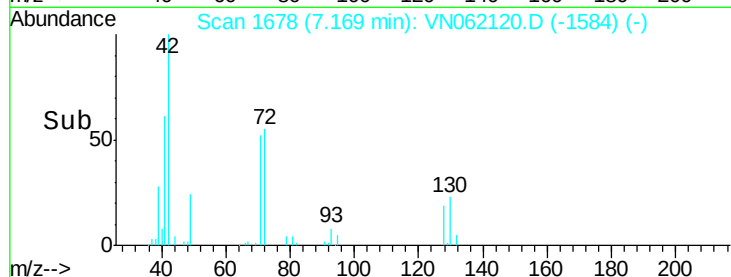
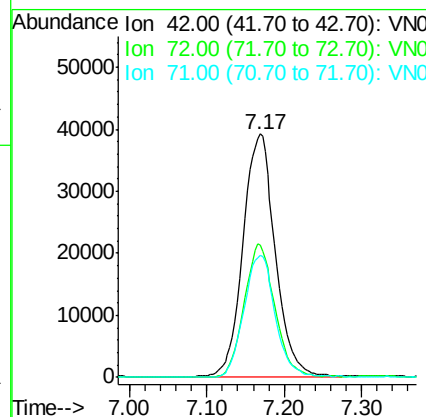
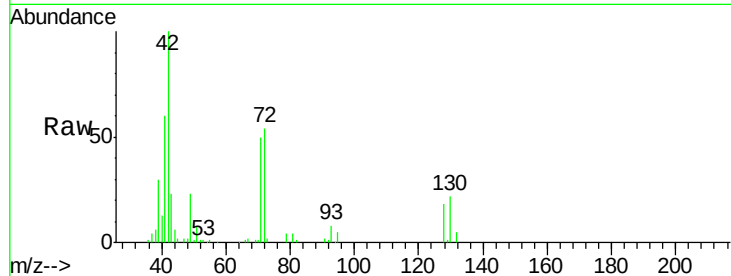
#29
Tetrahydrofuran
Concen: 95.480 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.7	41.1	61.7
71	48.5	38.2	57.4

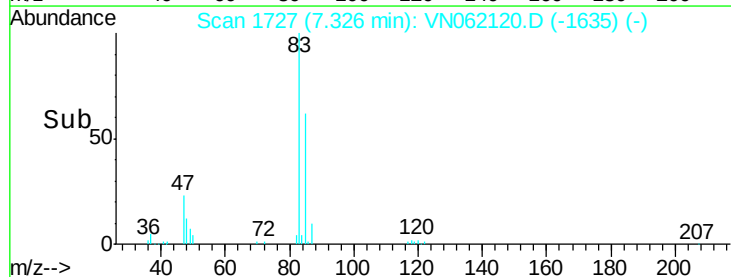
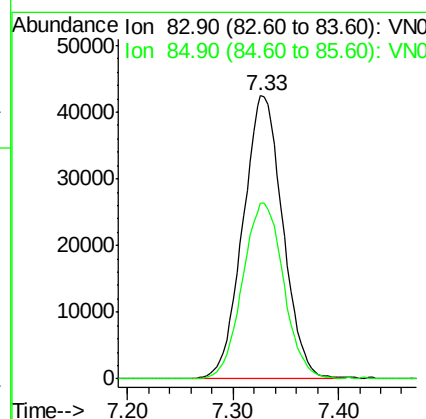
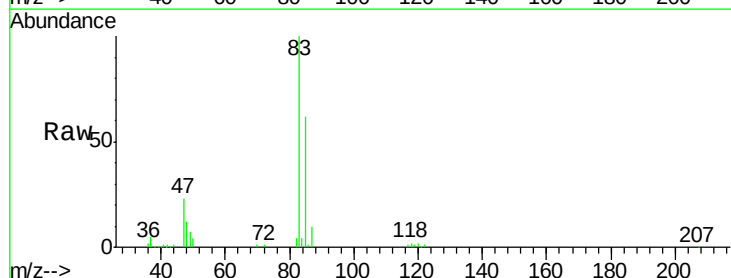
Manual Integrations
APPROVED

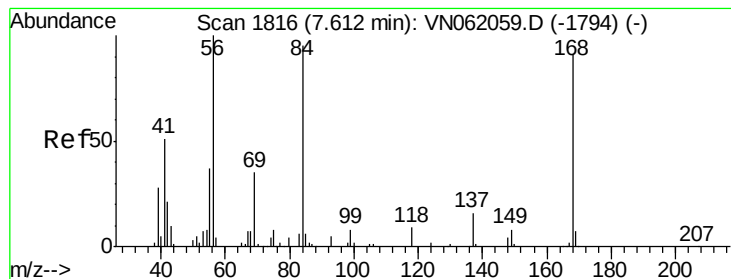
MMDadoda
6/26/2020 10:34:16 AM



#30
Chloroform
Concen: 17.948 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.3	78.5





#31

Cyclohexane

Concen: 17.958 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

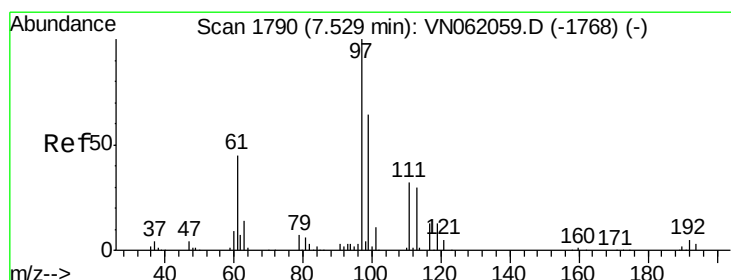
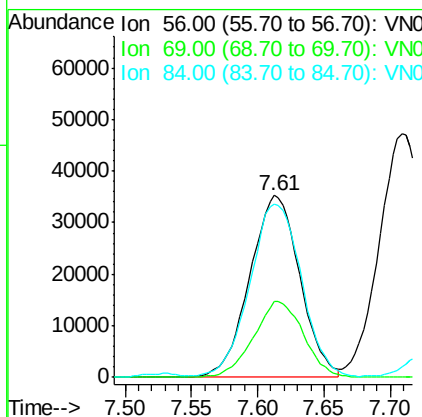
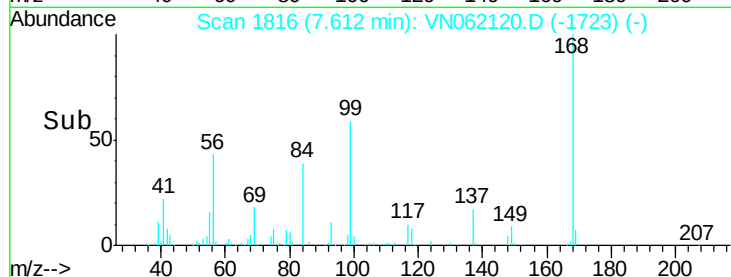
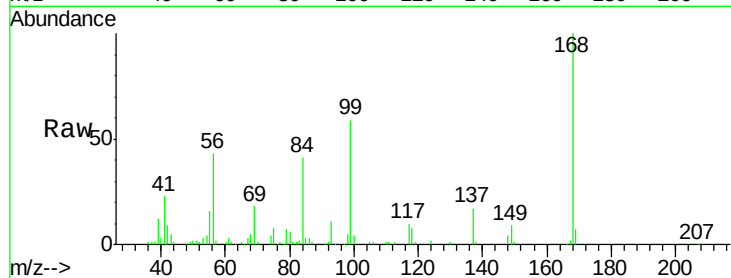
ClientSampleId :

VN0625MBSD01

Tot Ion:	56	Resp:	92966
Ion Ratio	Lower	Upper	
56	100		
69	41.4	28.0	42.0
84	93.8	76.1	114.1

Manual Integrations
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6/26/2020 10:34:16 AM



#32

1,1,1-Trichloroethane

Concen: 17.922 ug/l

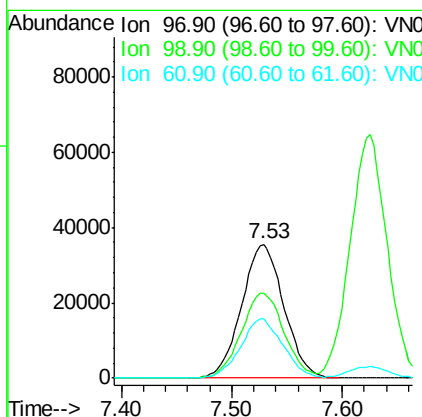
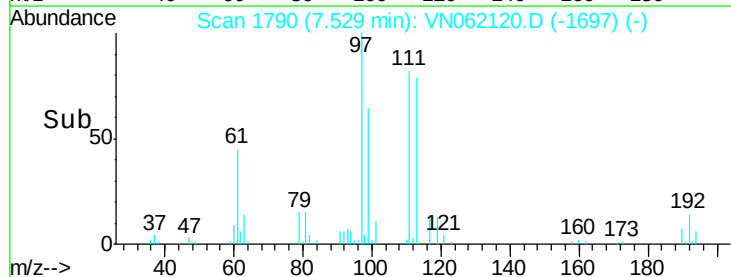
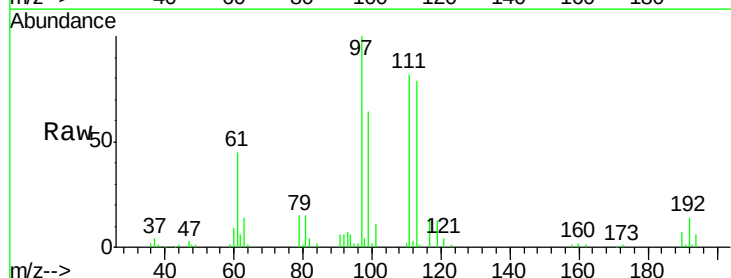
RT: 7.53 min Scan# 1790

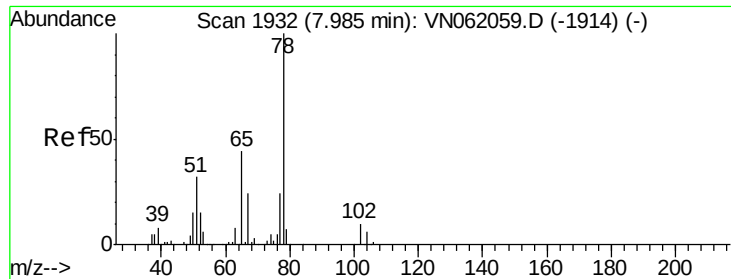
Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Tgt Ion:	97	Resp:	94111
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.4
61	44.4	36.2	54.2





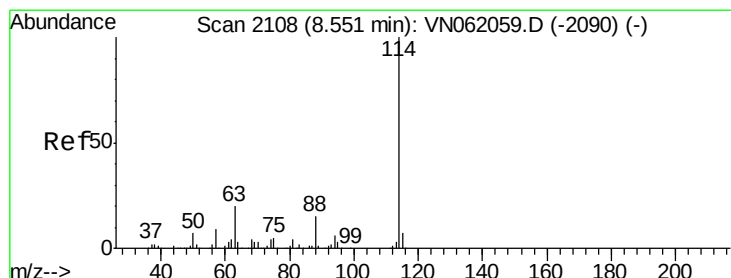
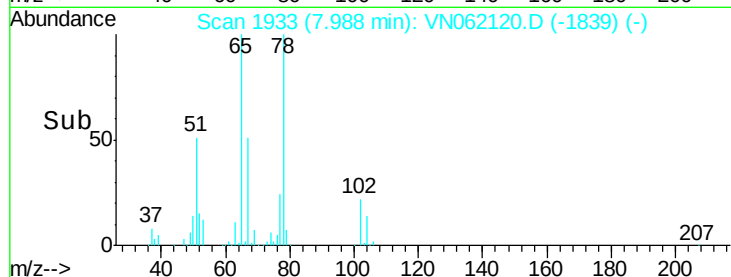
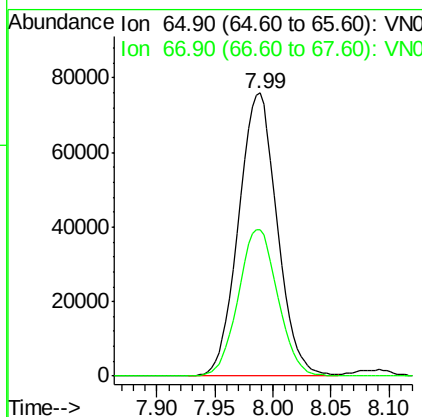
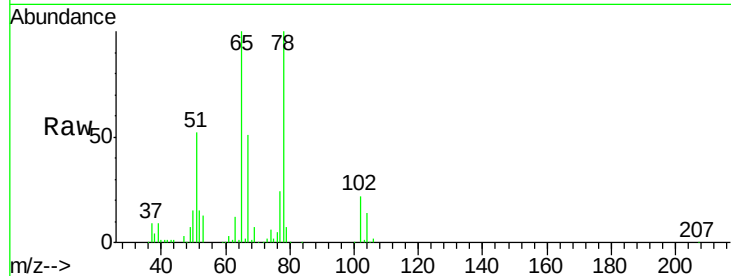
#33
 1,2-Dichloroethane-d4
 Concen: 47.040 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176256		
67	53.0	0.0	106.2	

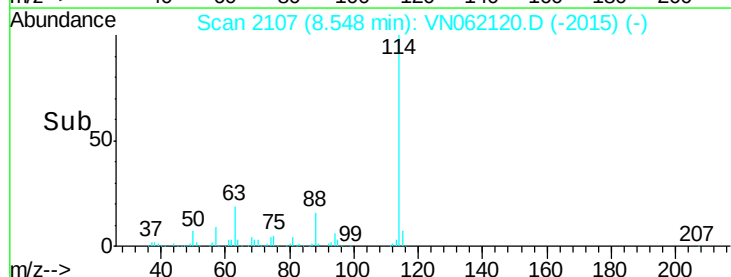
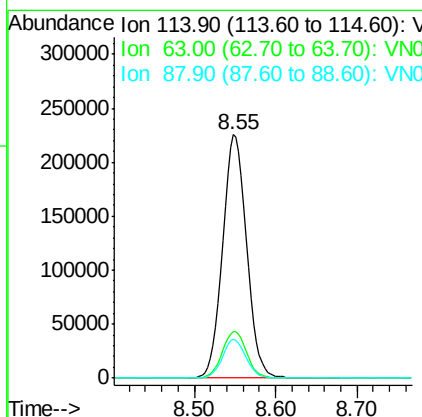
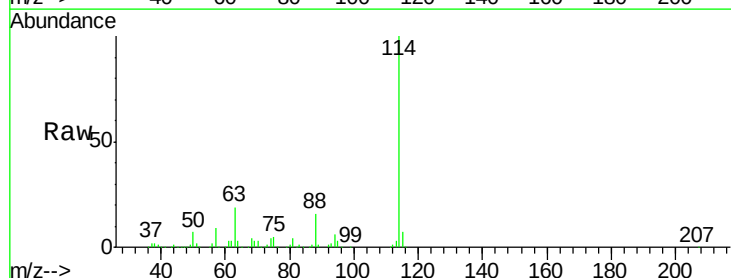
Manual Integrations
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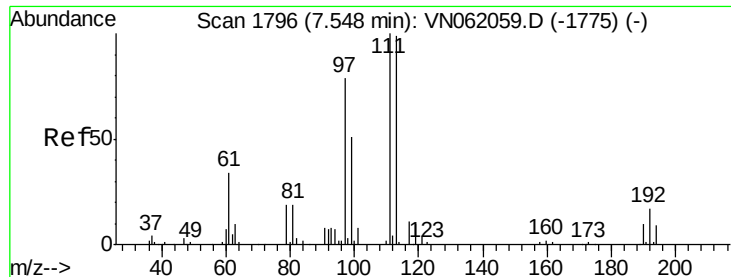
MMDadoda
 6/26/2020 10:34:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	471551		
63	18.8	0.0	39.2	
88	15.9	0.0	30.8	





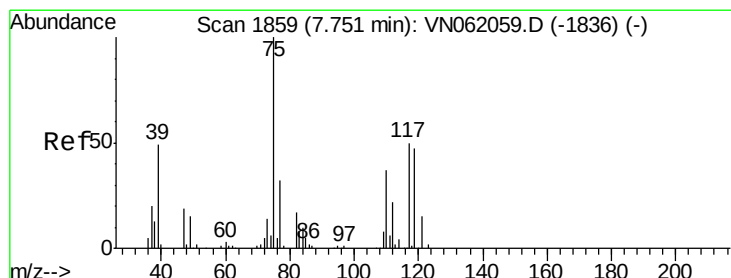
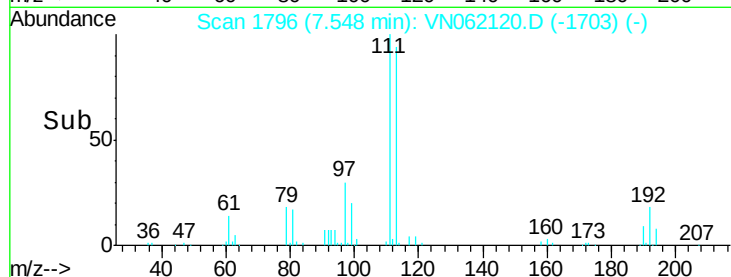
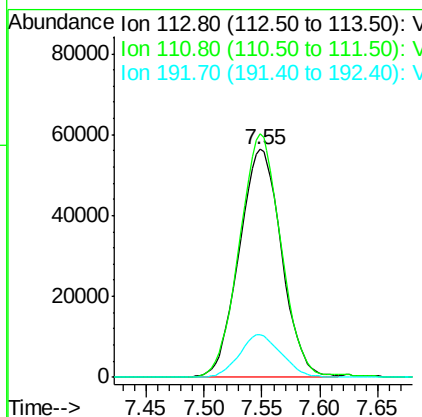
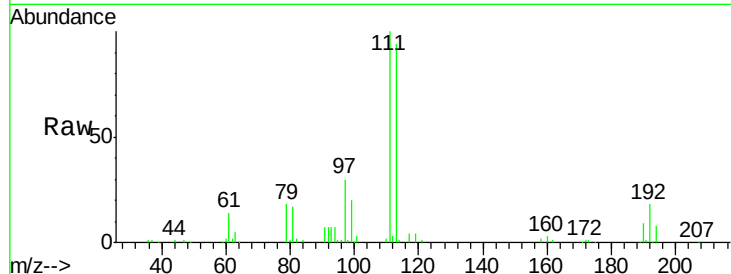
#35
 Dibromofluoromethane
 Concen: 47.460 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	143577		
111	104.0	82.2	123.4	
192	18.5	14.0	21.0	

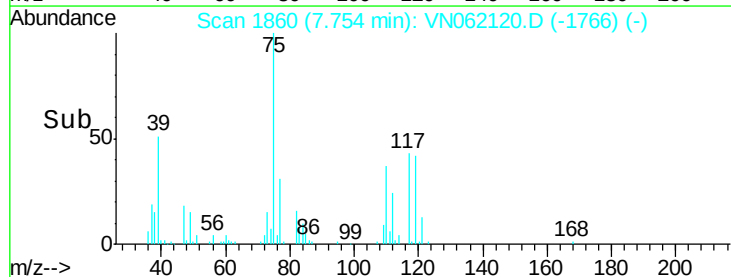
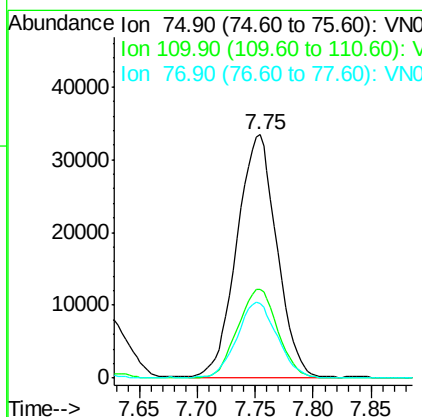
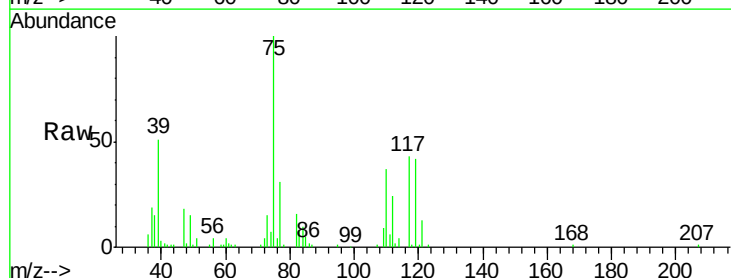
Manual Integrations
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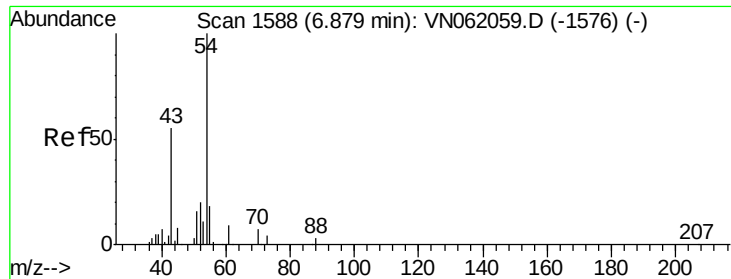
MMDadoda
 6/26/2020 10:34:16 AM



#36
 1,1-Dichloropropene
 Concen: 16.984 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80501		
110	36.4	17.9	53.8	
77	31.4	24.9	37.3	





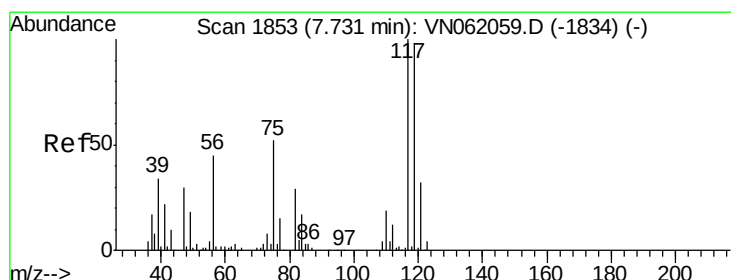
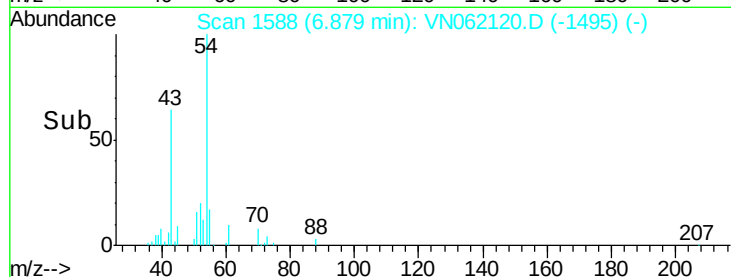
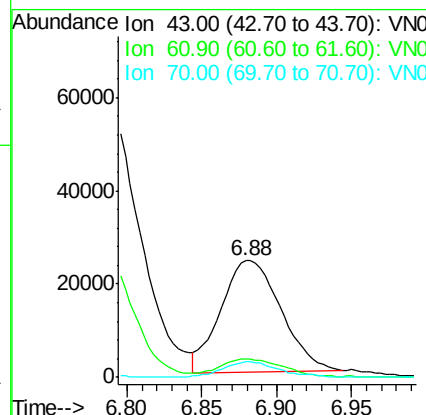
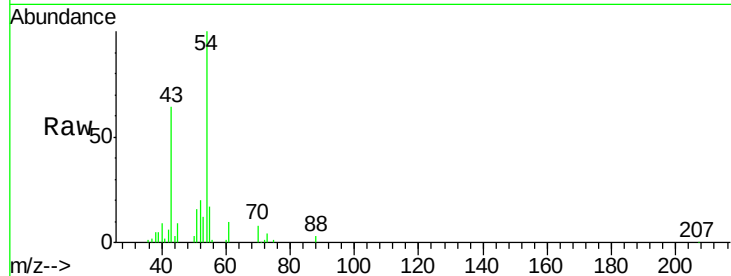
#37
Ethyl Acetate
Concen: 17.004 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	43	Resp	66737
Ion Ratio	100	Lower	Upper
43	100		
61	16.8	12.0	18.0
70	13.1	9.6	14.4

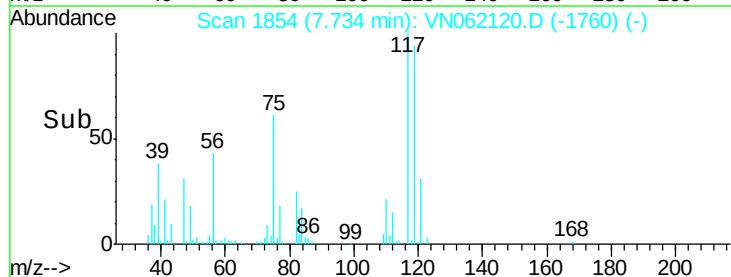
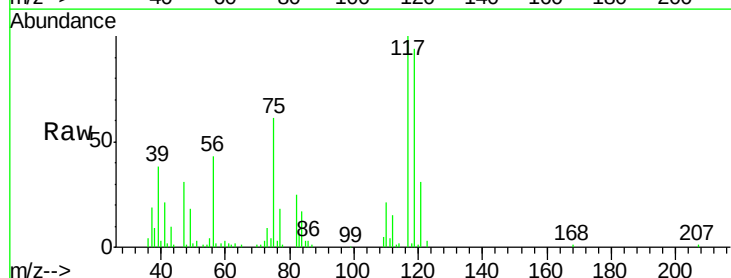
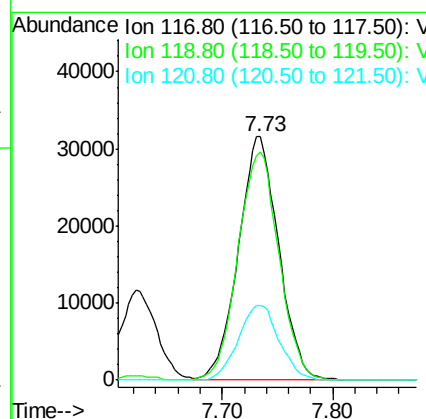
Manual Integrations
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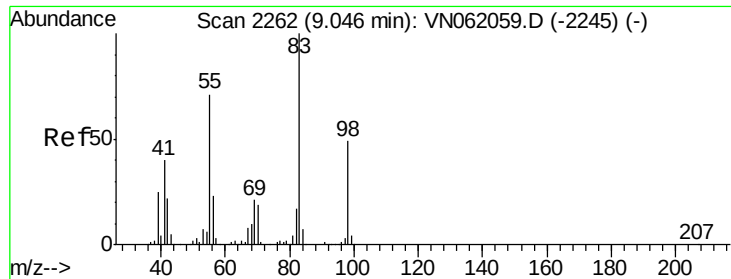
MMDadoda
6/26/2020 10:34:16 AM



#38
Carbon Tetrachloride
Concen: 17.805 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	117	Resp	79562
Ion Ratio	100	Lower	Upper
117	100		
119	93.9	78.2	117.2
121	30.9	25.8	38.6





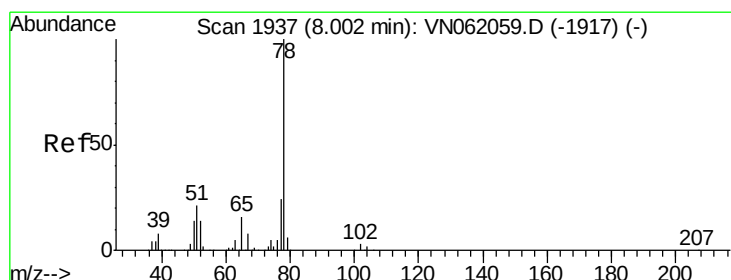
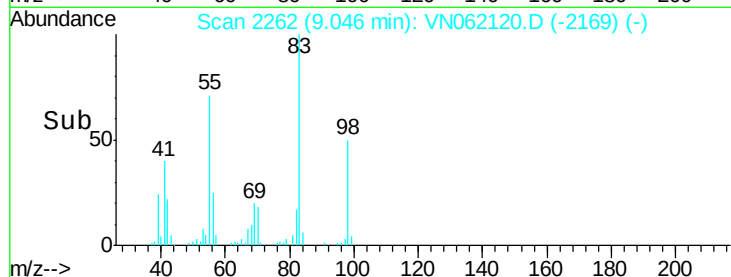
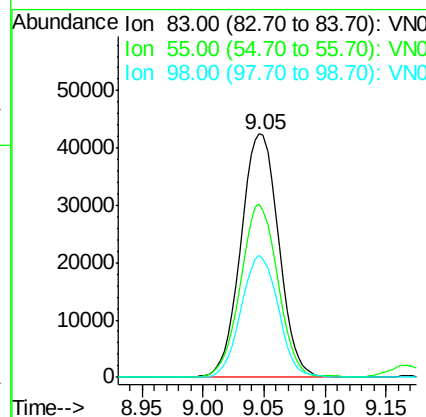
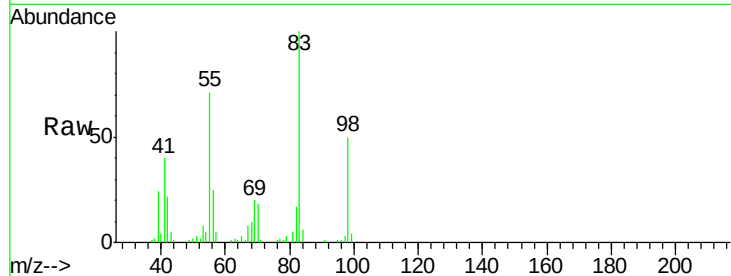
#39
Methylvlcyclohexane
Concen: 17.555 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	83	Resp	91167
Ion Ratio	Lower	Upper	
83	100		
55	71.2	57.0	85.6
98	50.0	39.0	58.6

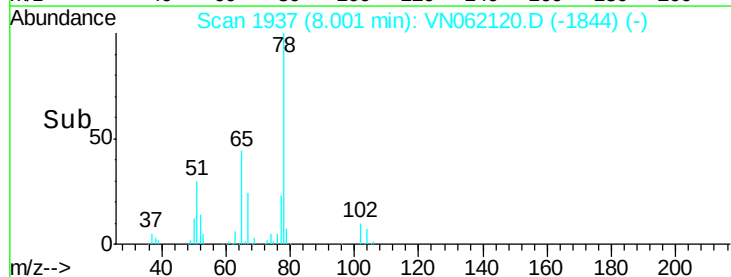
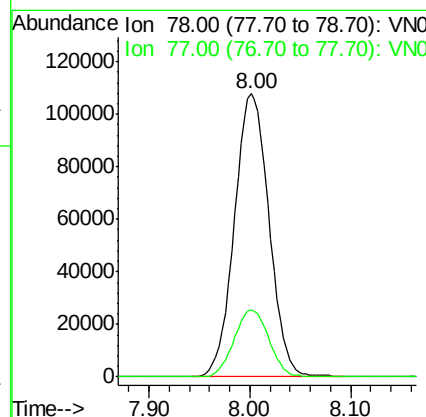
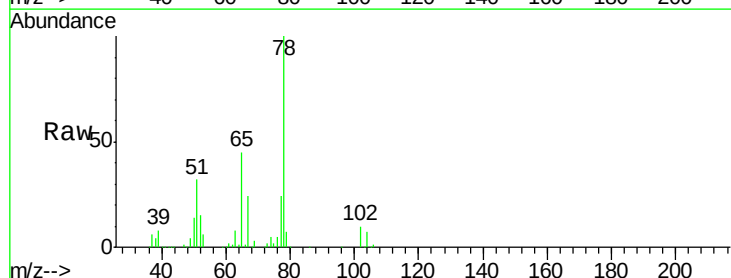
Manual Integrations
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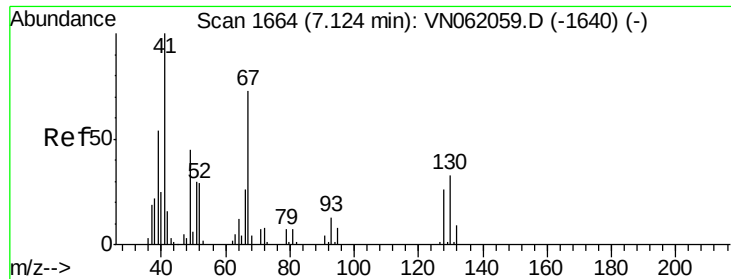
MMDadoda
6/26/2020 10:34:16 AM



#40
Benzene
Concen: 17.780 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	78	Resp	256862
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.5	29.3





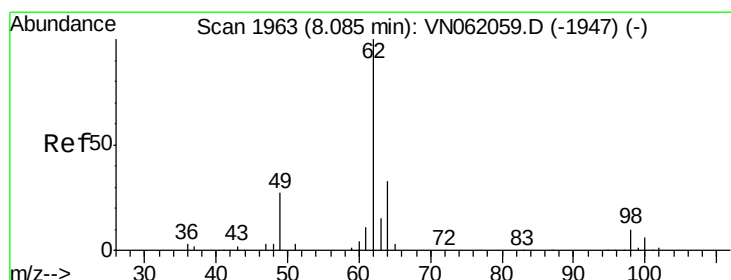
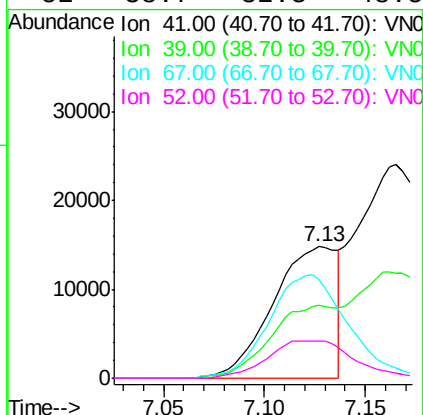
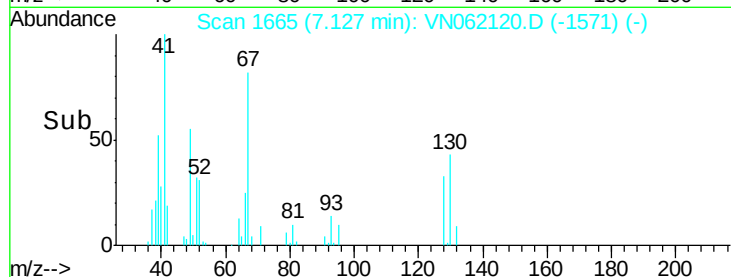
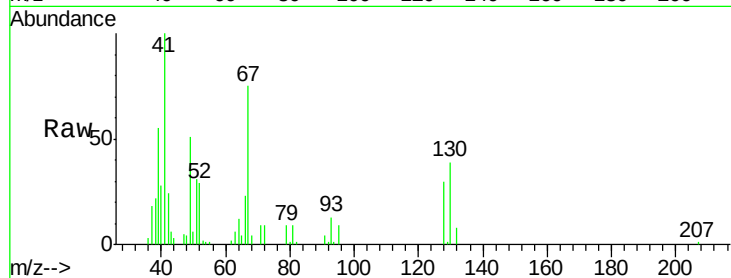
#41
Methacrylonitrile
Concen: 17.977 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion:	41	Resp:	32711
Ion	Ratio	Lower	Upper
41	100		
39	56.9	44.2	66.2
67	98.2	79.5	119.3
52	38.7	32.3	48.5

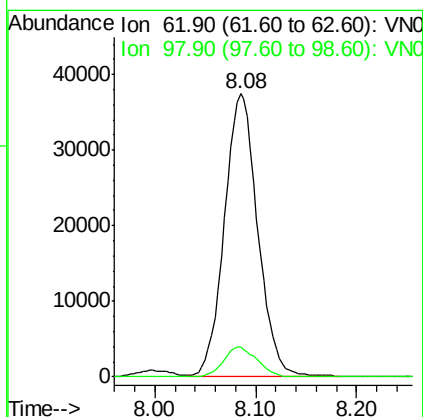
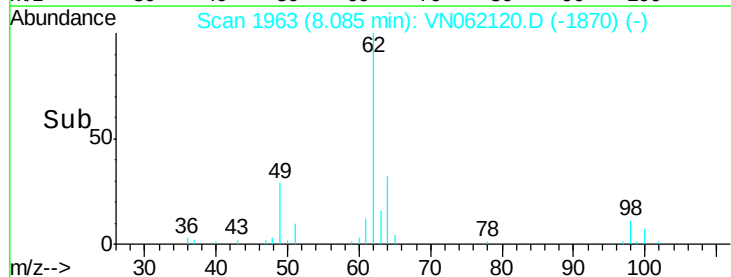
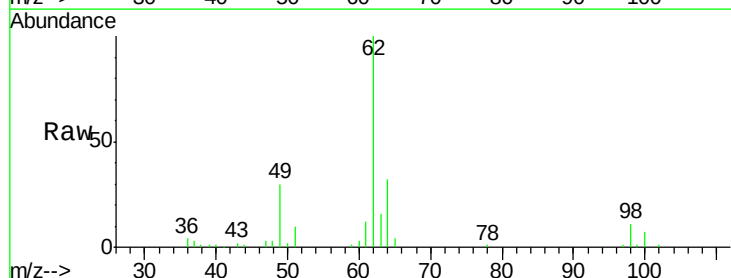
Manual Integrations
APPROVED

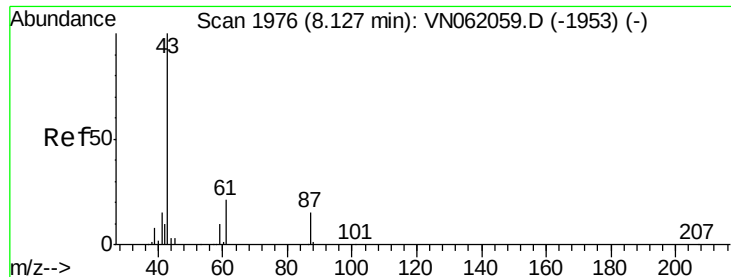
MMDadoda
6/26/2020 10:34:16 AM



#42
1,2-Dichloroethane
Concen: 17.692 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion:	62	Resp:	86356
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.8





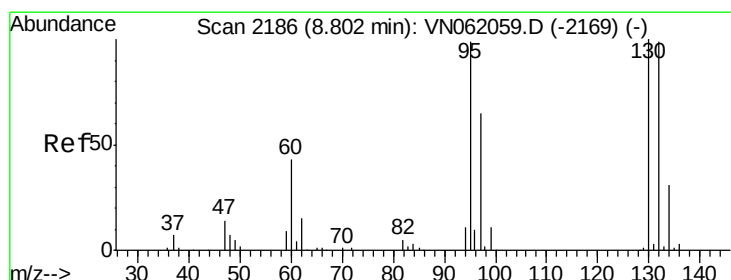
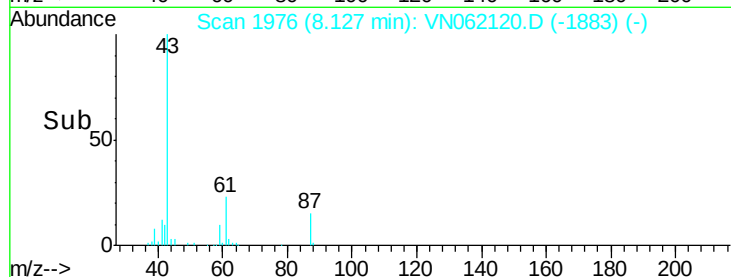
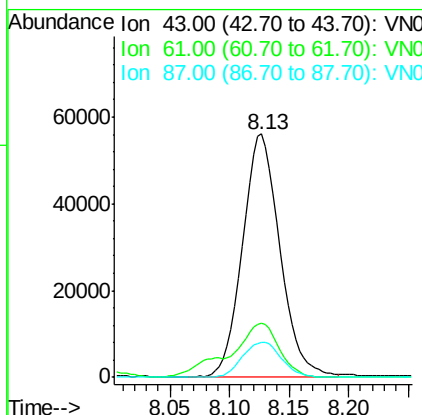
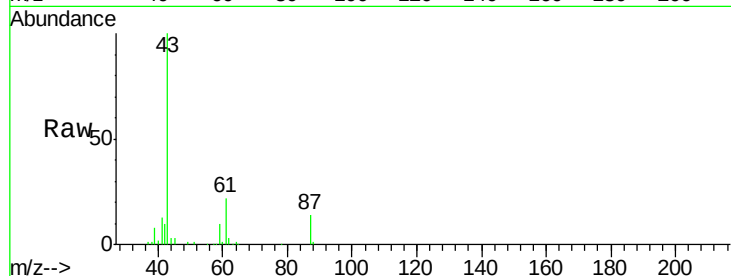
#43
Isopropyl Acetate
Concen: 19.158 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.2	25.8
87	15.1	12.1	18.1

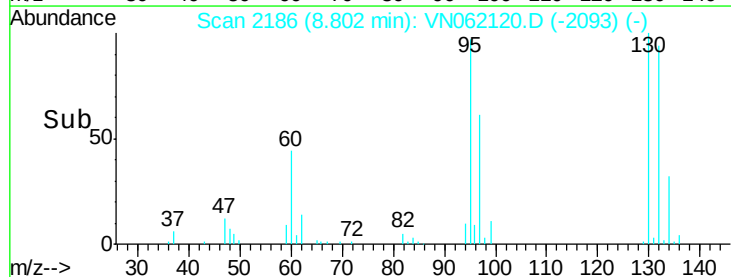
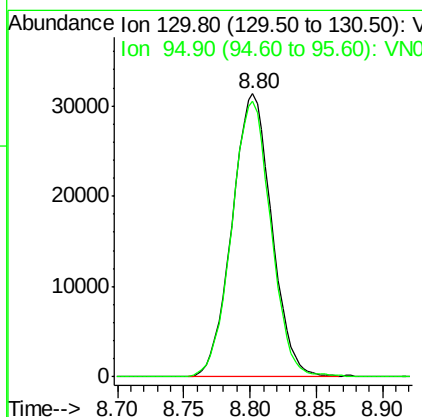
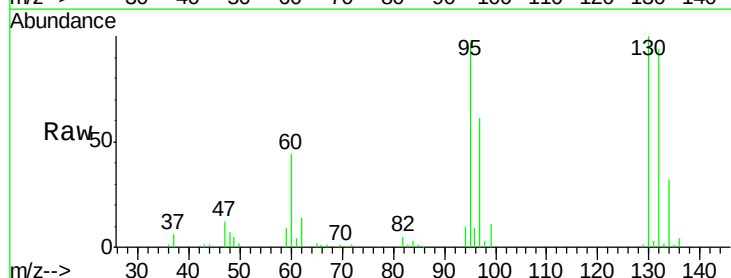
Manual Integrations
APPROVED

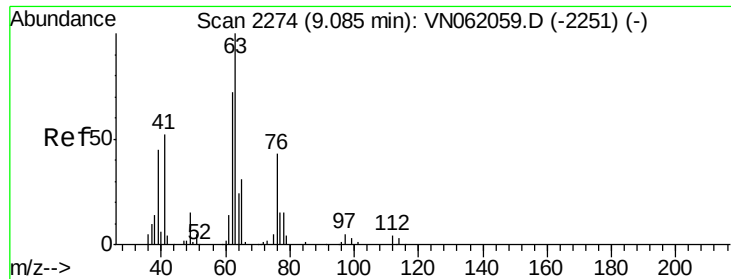
MMDadoda
6/26/2020 10:34:16 AM



#44
Trichloroethene
Concen: 17.844 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	197.8





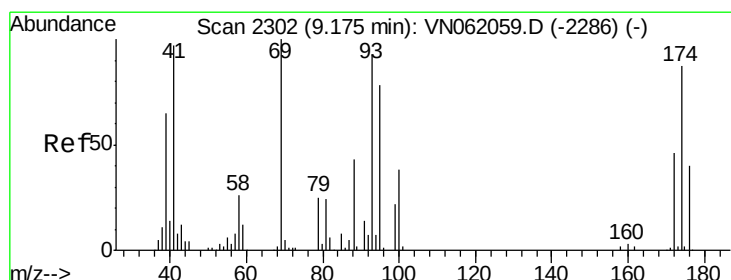
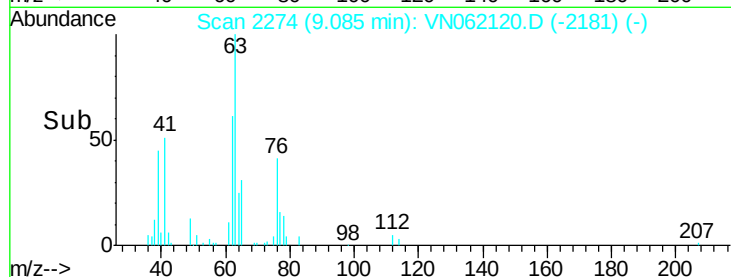
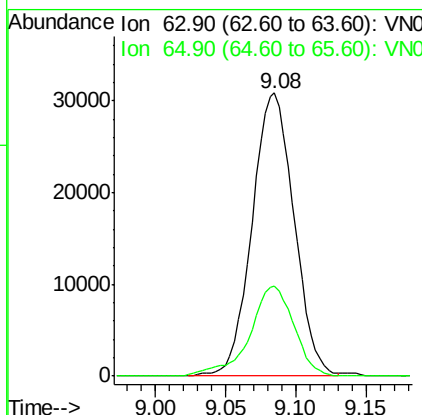
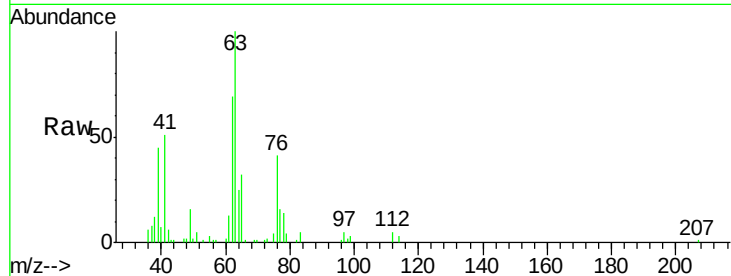
#45
 1,2-Dichloropropane
 Concen: 18.005 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0625MBSD01

Tot Ion: 63 Resp: 64171
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.4

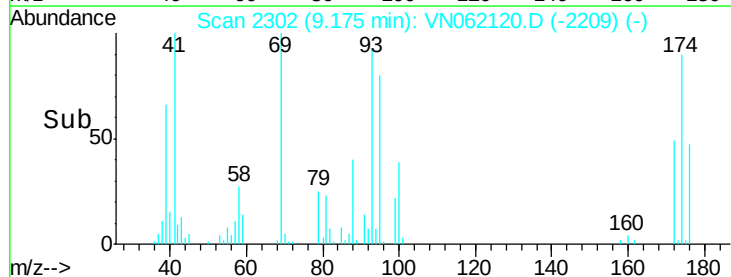
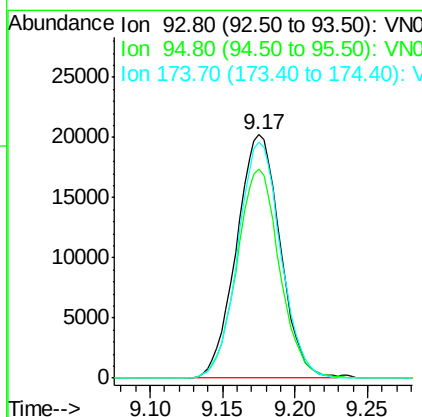
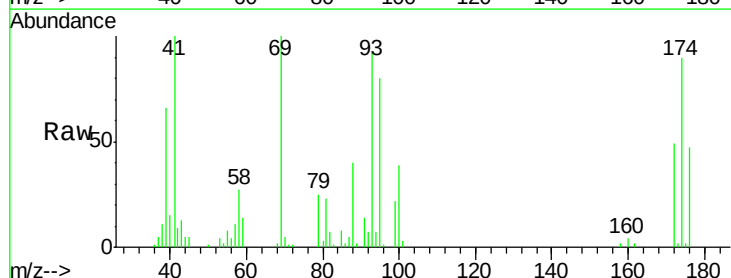
Manual Integrations
 APPROVED

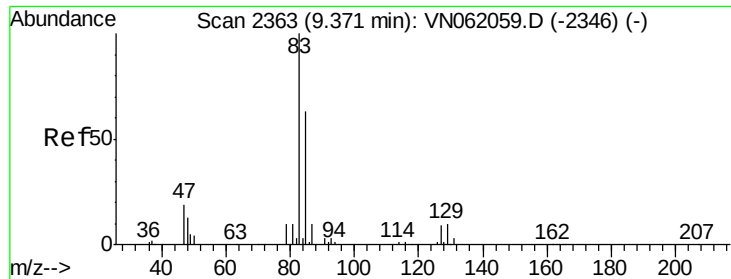
MMDadoda
 6/26/2020 10:34:16 AM



#46
 Dibromomethane
 Concen: 17.565 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion: 93 Resp: 42445
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.0 100.6
 174 94.7 74.4 111.6





#47

Bromodichloromethane

Concen: 17.615 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

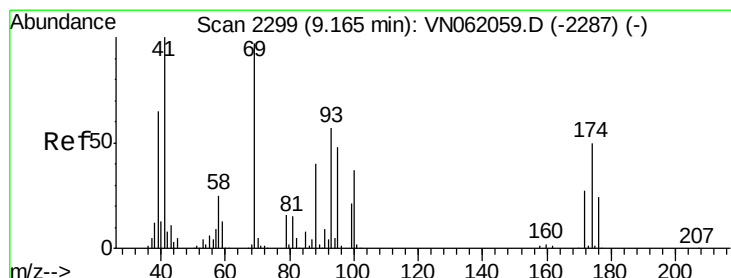
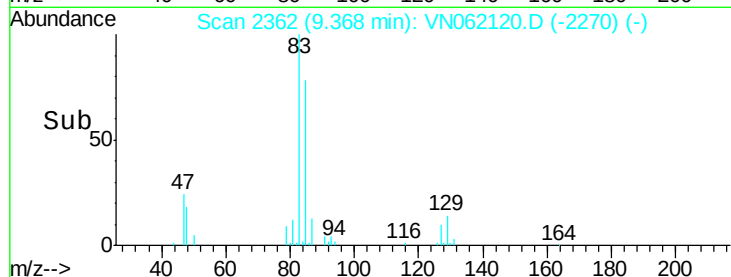
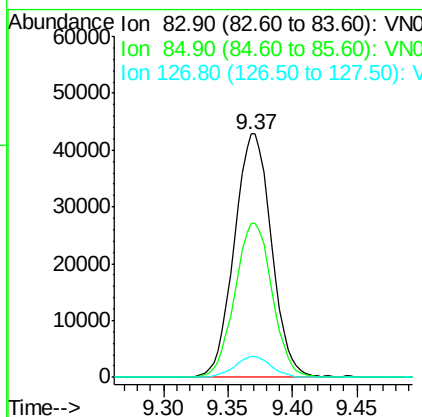
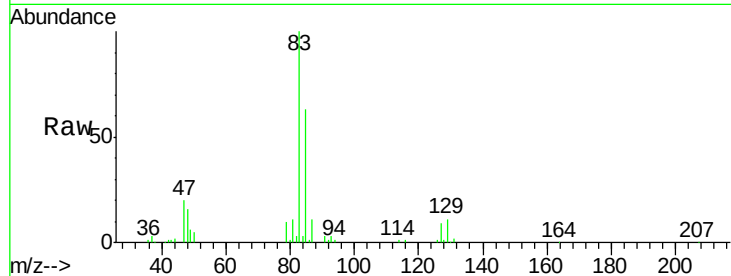
ClientSampleId :

VN0625MBSD01

Tot Ion:	83	Resp:	85946
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.3	75.5
127	8.5	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
6/26/2020 10:34:16 AM



#48

Methyl methacrylate

Concen: 18.144 ug/l

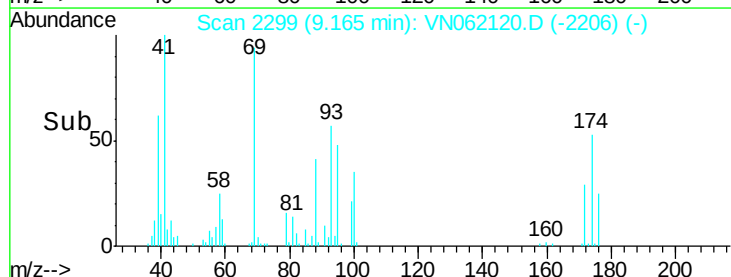
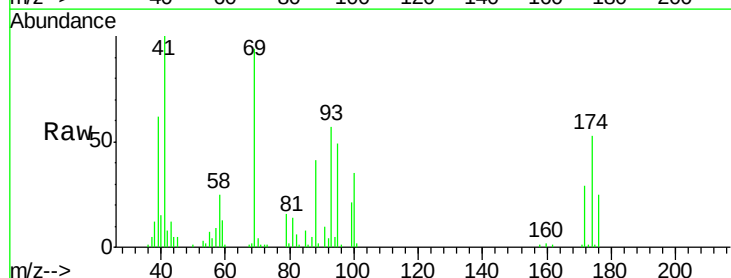
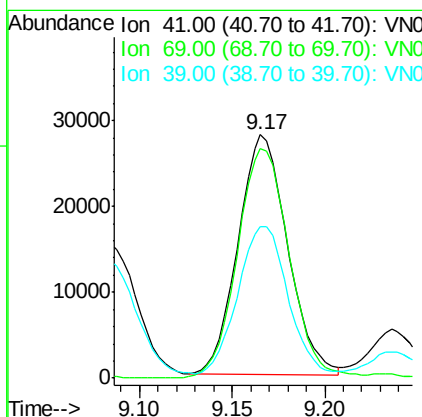
RT: 9.17 min Scan# 2299

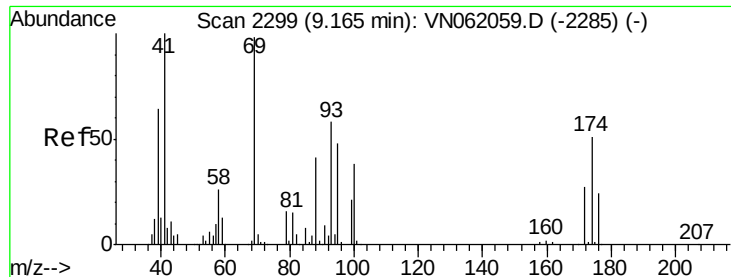
Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Tgt Ion:	41	Resp:	52049
Ion Ratio	Lower	Upper	
41	100		
69	100.2	80.7	121.1
39	61.7	54.5	81.7





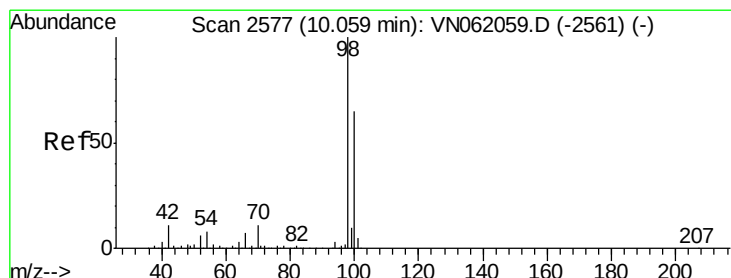
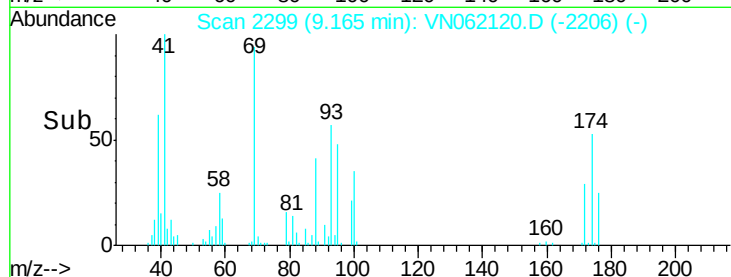
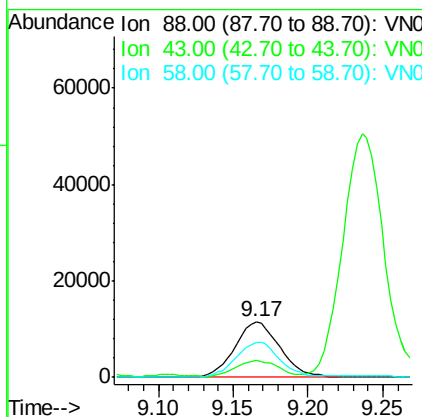
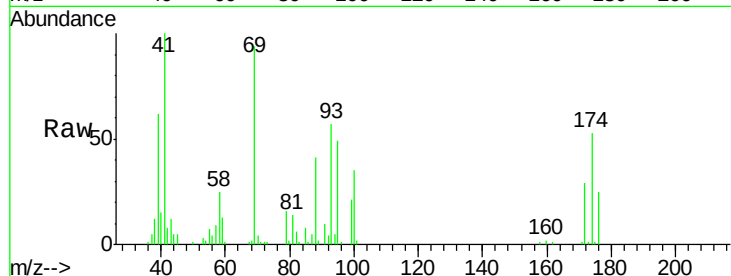
#49
1,4-Dioxane
Concen: 377.963 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	88	Resp	24045
Ion	Ratio	Lower	Upper
88	100		
43	26.5	22.0	33.0
58	61.7	49.2	73.8

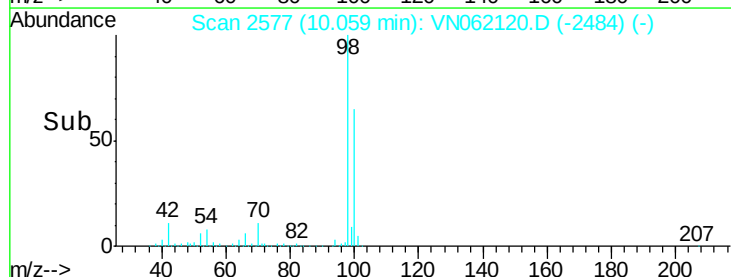
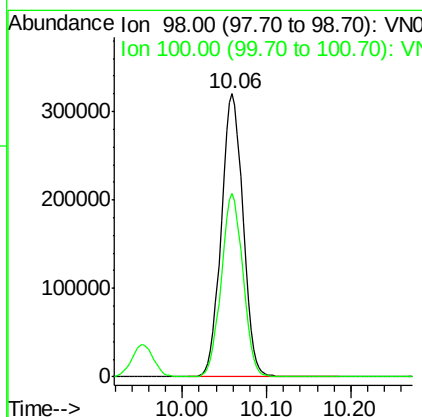
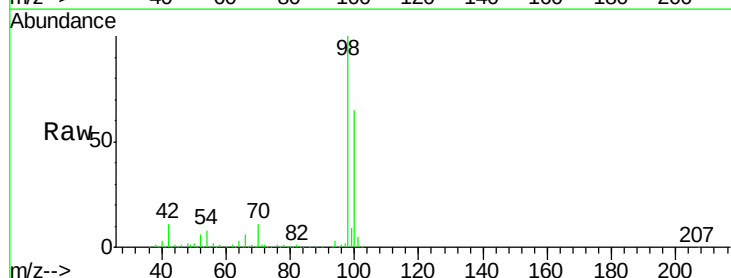
Manual Integrations
APPROVED

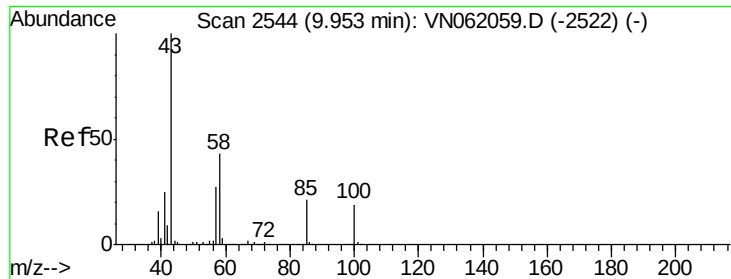
MMDadoda
6/26/2020 10:34:16 AM



#50
Toluene-d8
Concen: 47.441 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	98	Resp	573697
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





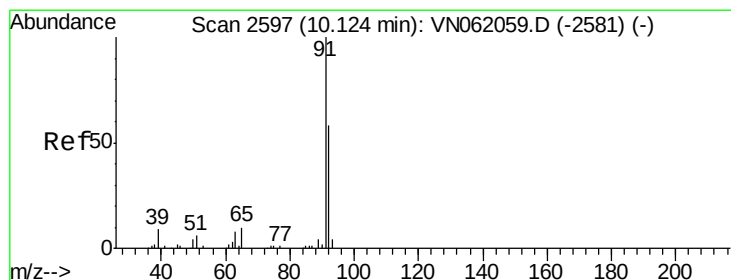
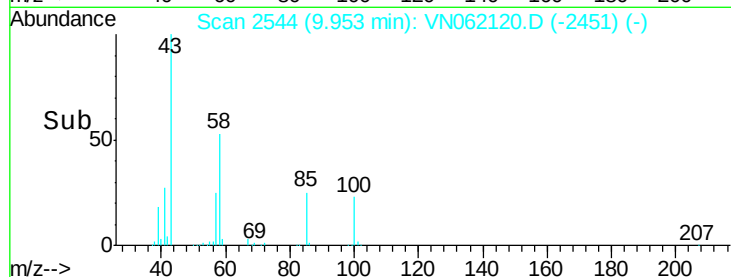
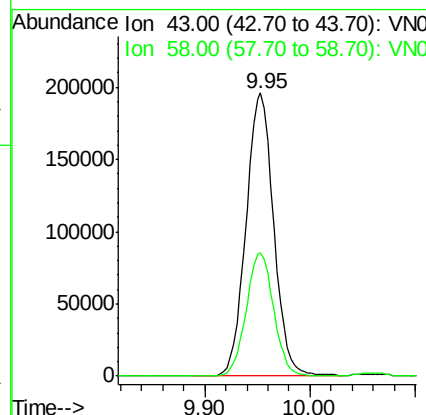
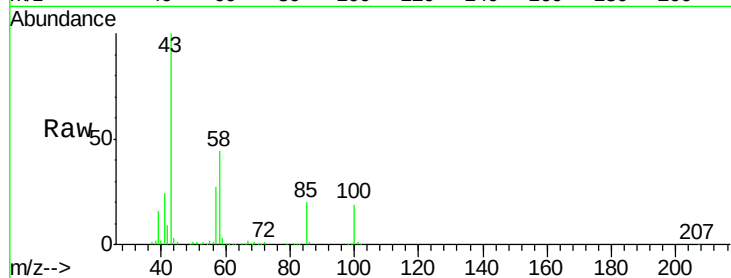
#51
 4-Methyl-2-Pentanone
 Concen: 95.465 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBSD01

Tot Ion	43	Resp	356858
Ion Ratio	43	100	
Lower	58	43.2	34.2
Upper			51.2

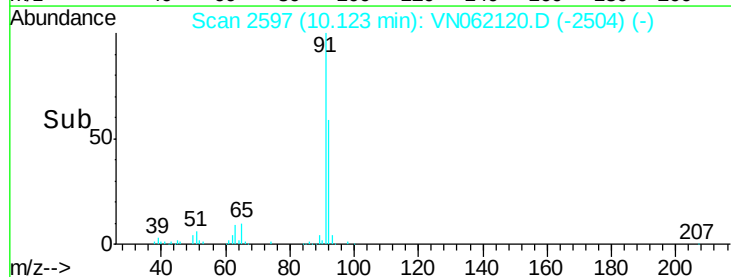
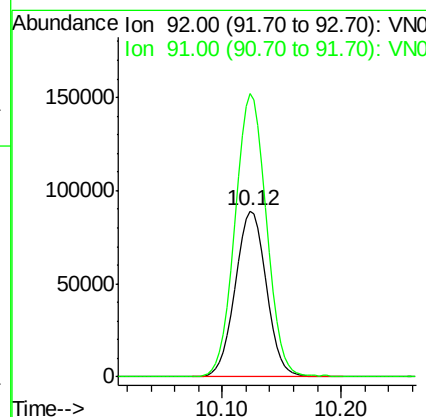
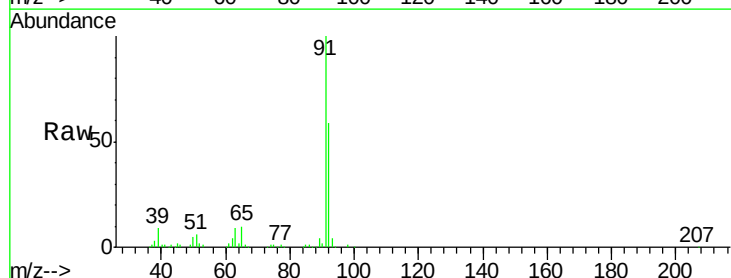
Manual Integrations
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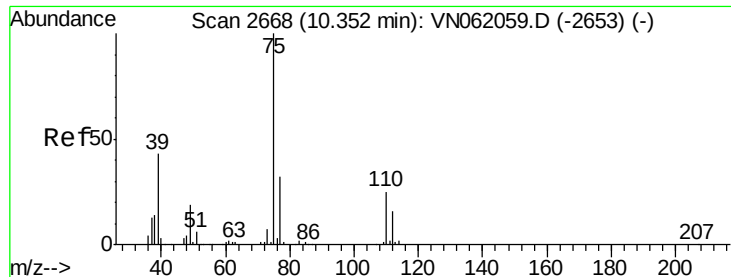
MMDadoda
 6/26/2020 10:34:16 AM



#52
 Toluene
 Concen: 18.363 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion	92	Resp	161864
Ion Ratio	92	100	
Lower	91	172.0	137.4
Upper			206.0





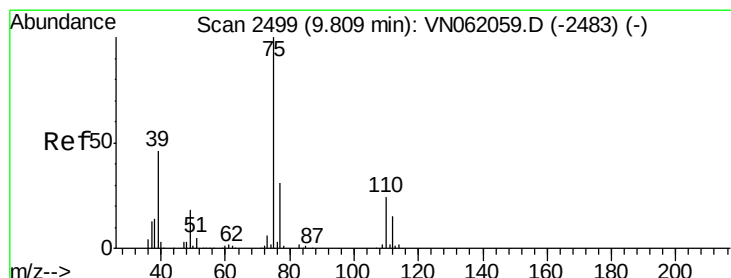
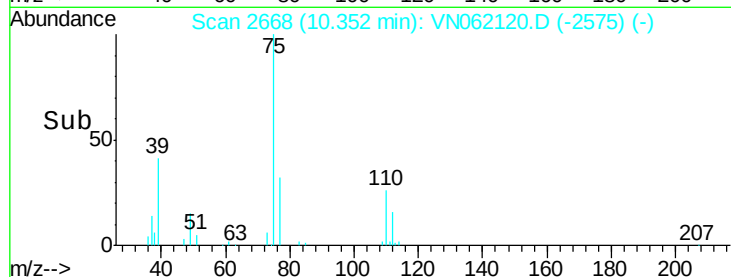
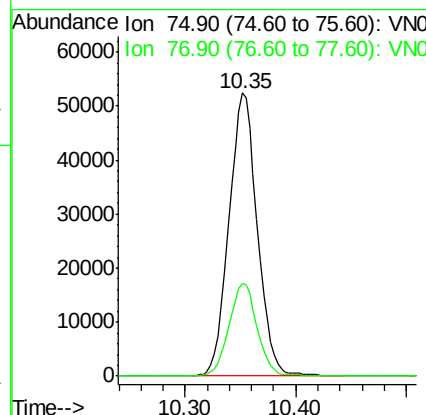
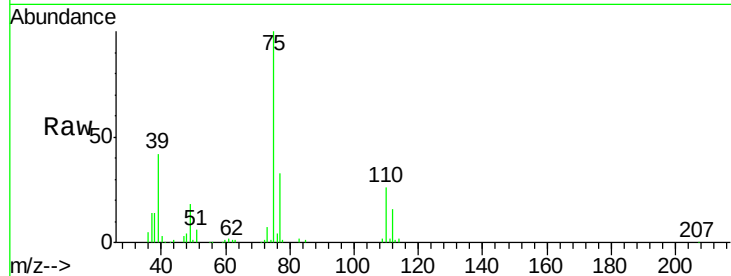
#53
t-1,3-Dichloropropene
Concen: 17.390 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.5	38.3

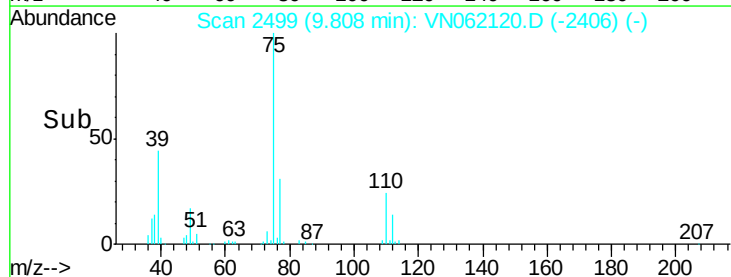
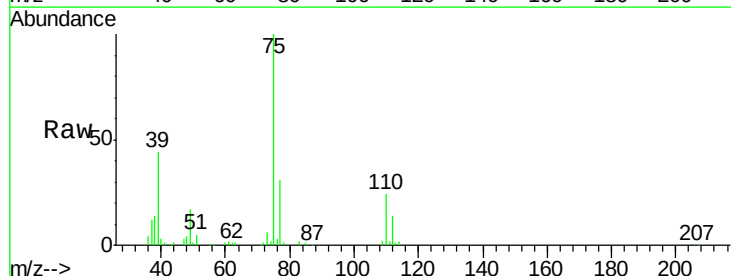
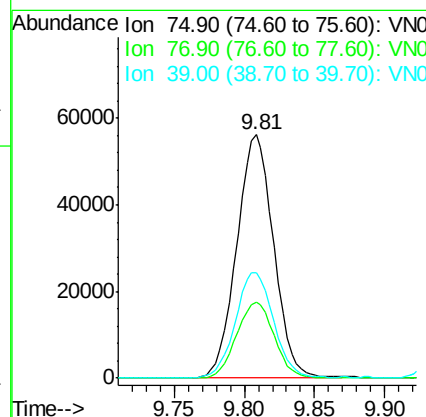
Manual Integrations
APPROVED

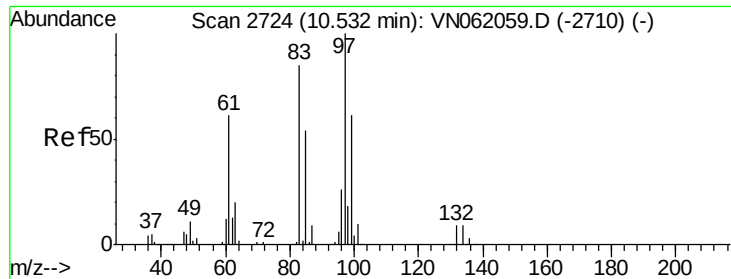
MMDadoda
6/26/2020 10:34:16 AM



#54
cis-1,3-Dichloropropene
Concen: 18.035 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6
39	43.5	36.9	55.3





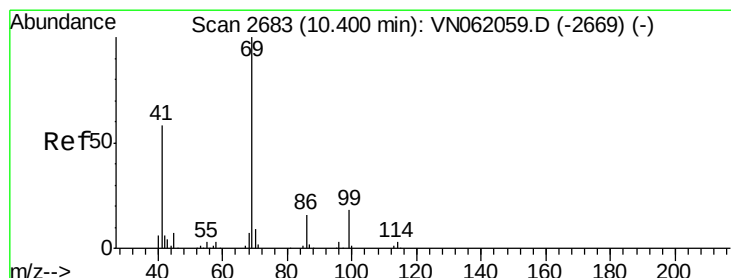
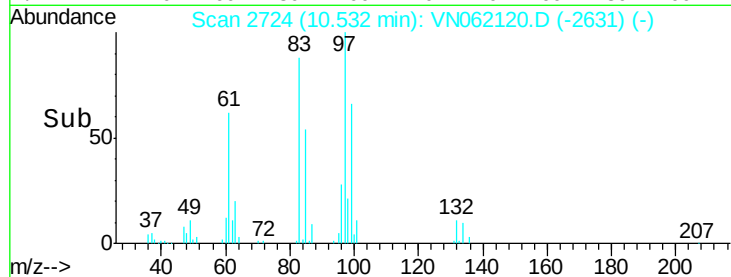
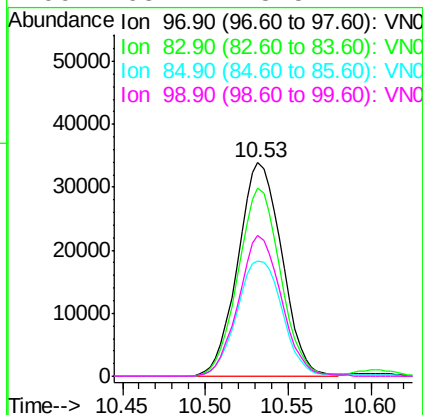
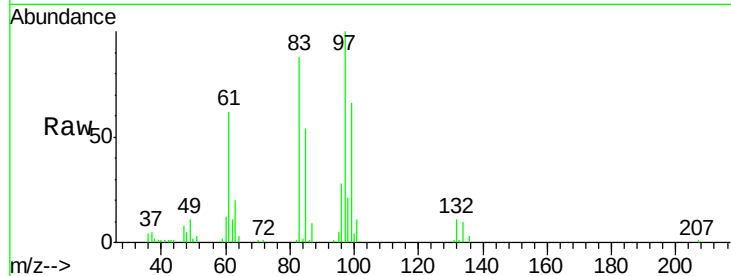
#55
 1,1,2-Trichloroethane
 Concen: 18.098 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBSD01

Tot Ion:	97	Resp:	62709
Ion	Ratio	Lower	Upper
97	100		
83	88.2	68.2	102.2
85	54.2	43.2	64.8
99	65.7	48.5	72.7

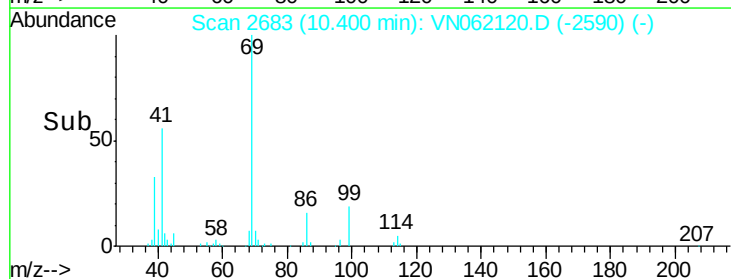
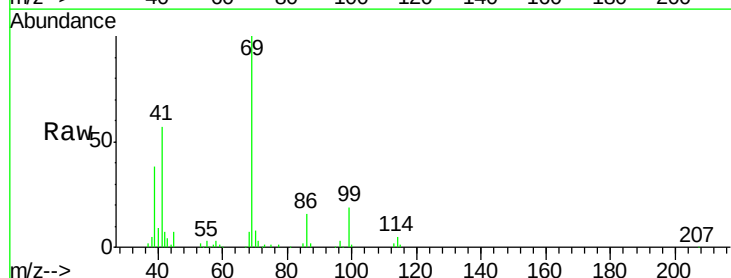
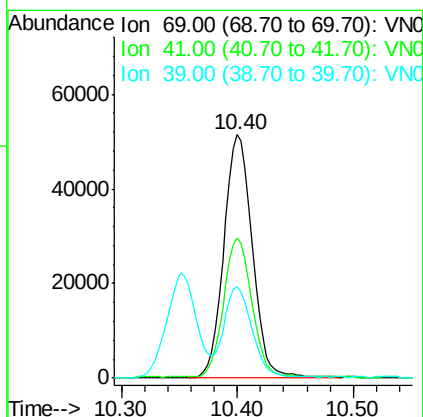
Manual Integrations
 APPROVED

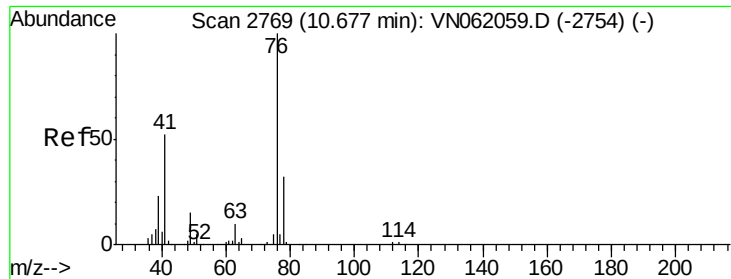
MMDadoda
 6/26/2020 10:34:16 AM



#56
 Ethyl methacrylate
 Concen: 18.993 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion:	69	Resp:	87825
Ion	Ratio	Lower	Upper
69	100		
41	56.3	46.6	70.0
39	36.7	31.0	46.4





#57

1,3-Dichloropropane

Concen: 17.986 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBSD01

Tot Ion: 76 Resp: 107270

Ion Ratio Lower Upper

76 100

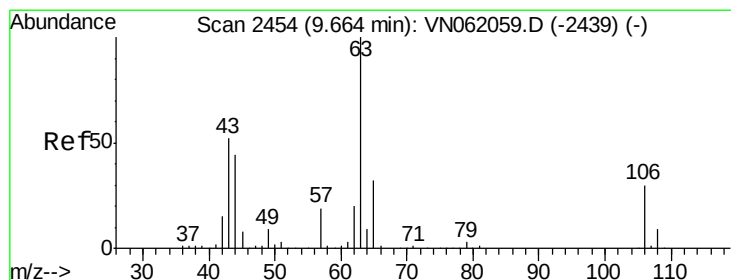
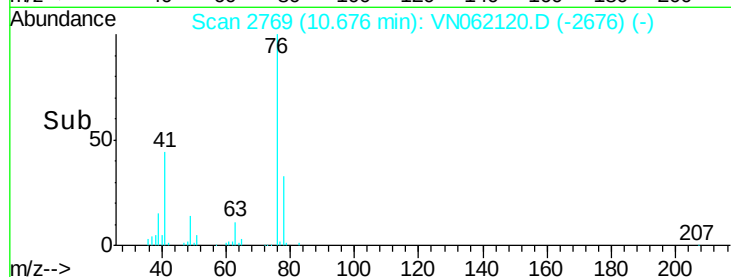
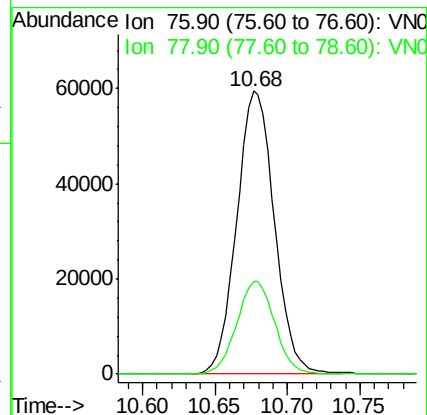
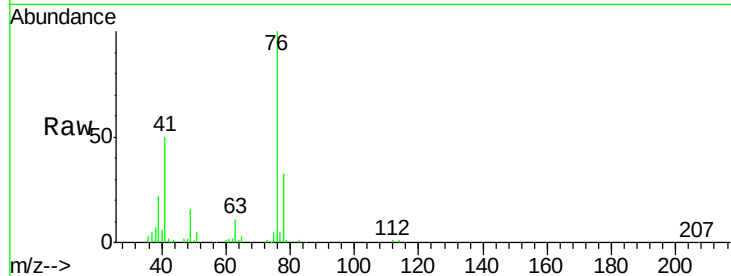
78 33.2 25.8 38.8

Manual Integrations

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MMDadoda

6/26/2020 10:34:16 AM



#58

2-Chloroethyl Vinyl ether

Concen: 94.025 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062120.D

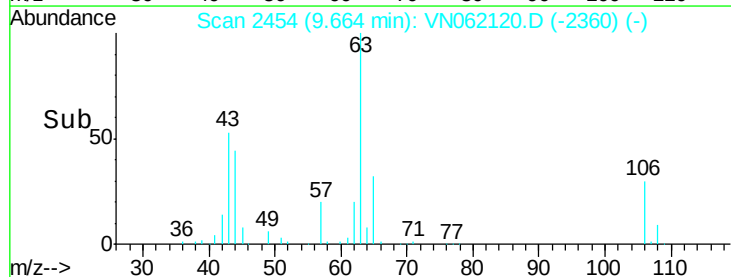
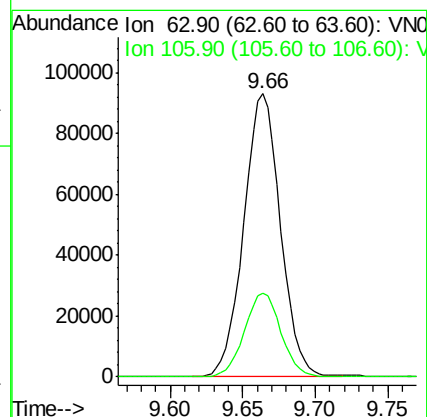
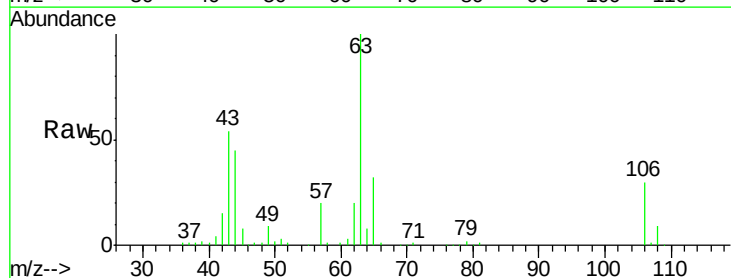
Acq: 25 Jun 2020 18:54

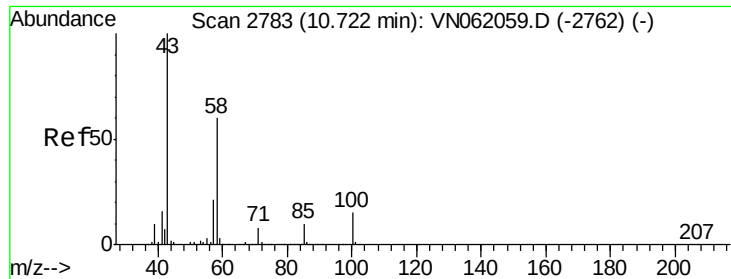
Tgt Ion: 63 Resp: 163972

Ion Ratio Lower Upper

63 100

106 29.5 23.2 34.8





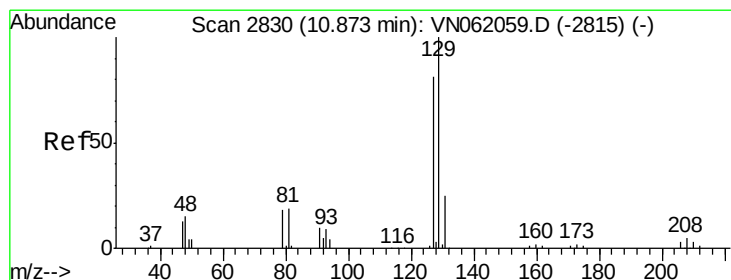
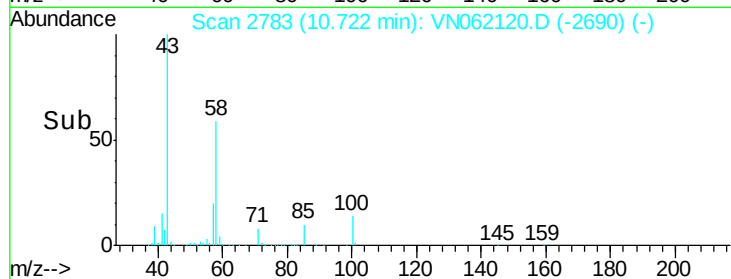
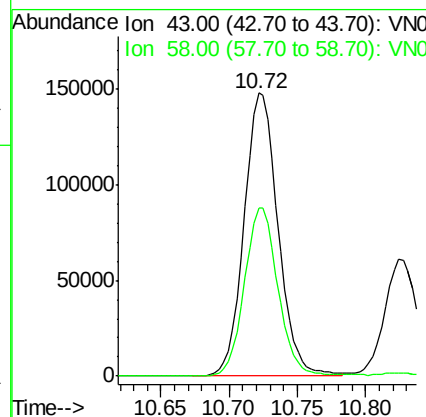
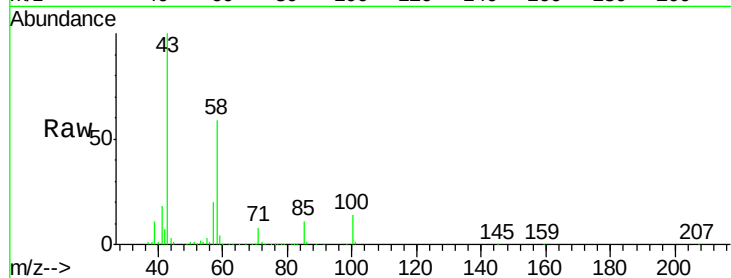
#59
2-Hexanone
Concen: 94.826 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	43	Resp	255963
Ion Ratio	43	100	
Lower	58	58.7	29.5
Upper			88.5

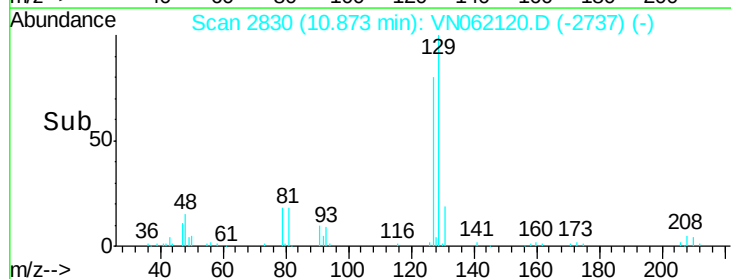
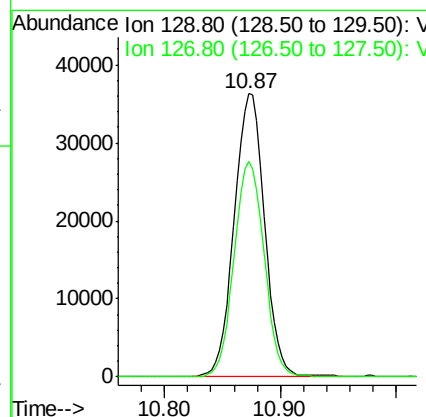
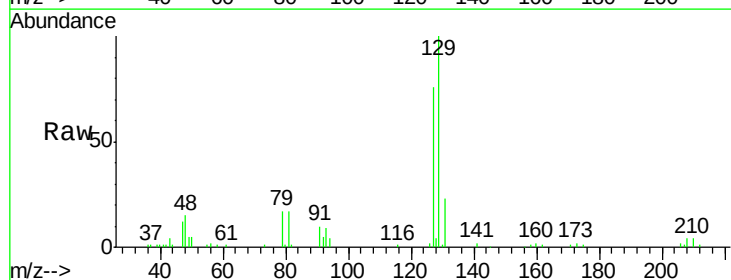
Manual Integrations
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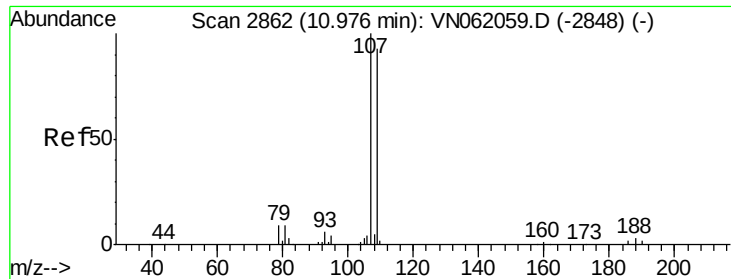
MMDadoda
6/26/2020 10:34:16 AM



#60
Dibromochloromethane
Concen: 17.979 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	129	Resp	65955
Ion Ratio	129	100	
Lower	127	75.0	39.5
Upper			118.5





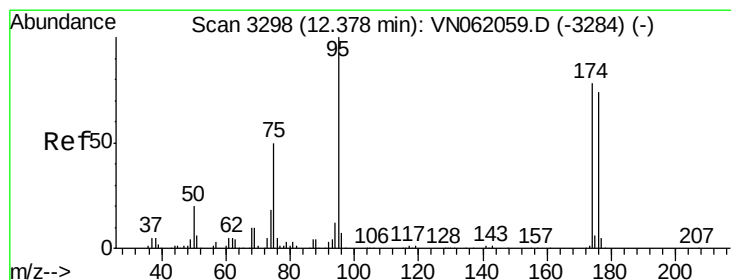
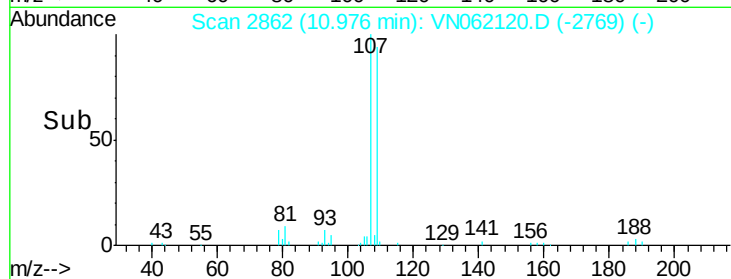
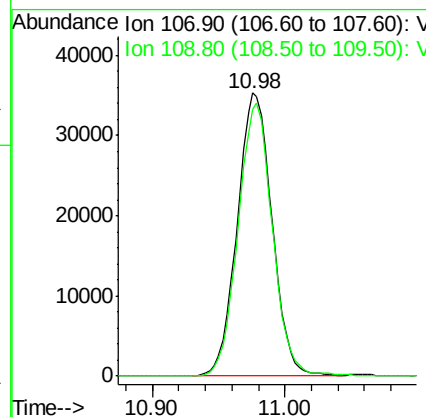
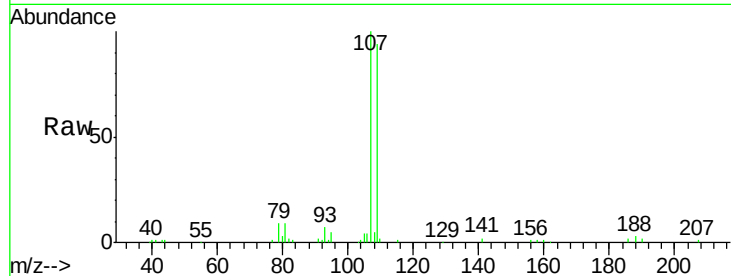
#61
 1,2-Dibromoethane
 Concen: 18.080 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.0	112.6

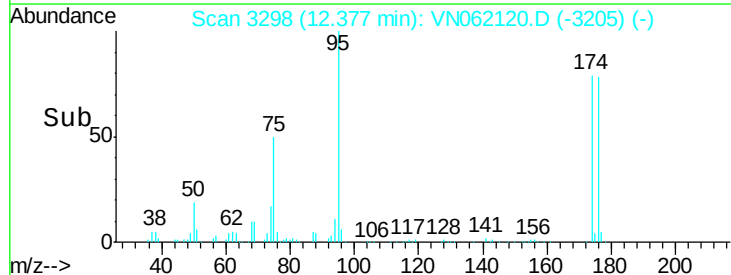
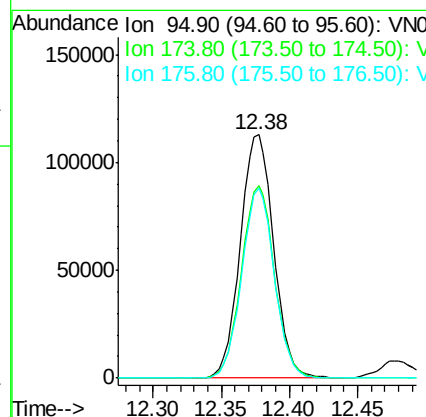
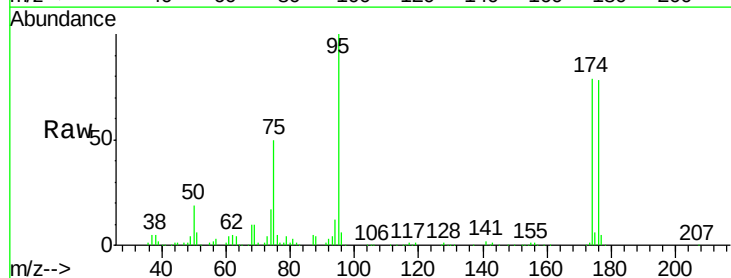
Manual Integrations
 APPROVED

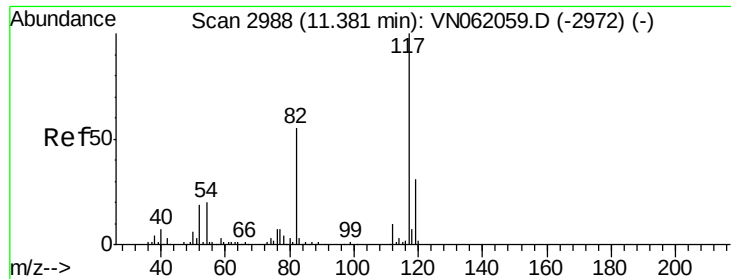
MMDadoda
 6/26/2020 10:34:16 AM



#62
 4-Bromofluorobenzene
 Concen: 46.906 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	154.8
176	76.1	0.0	147.4





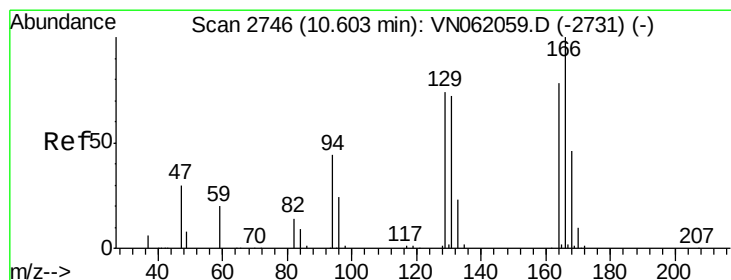
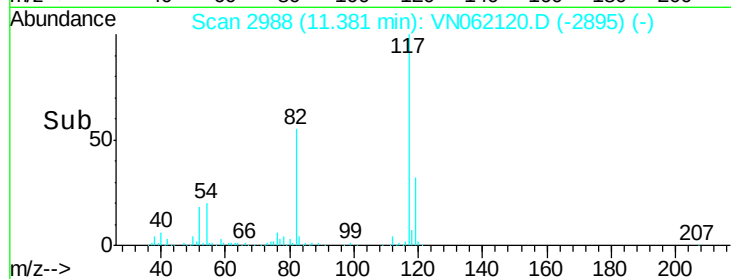
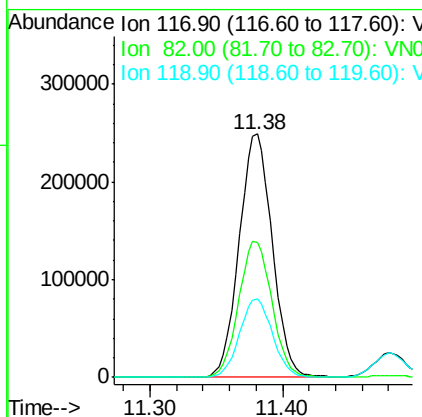
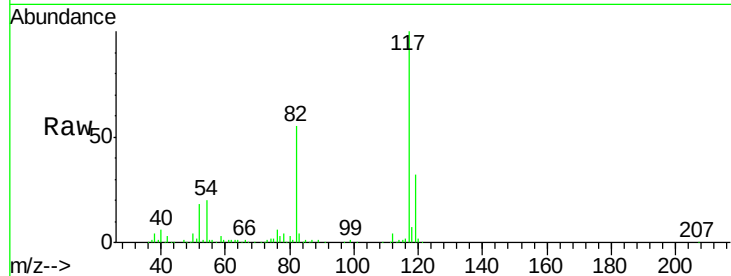
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.8	65.8
119	32.0	25.2	37.8

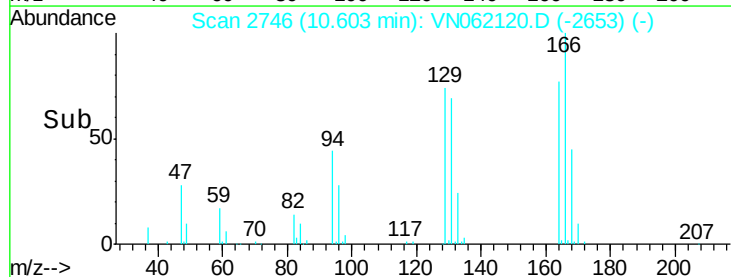
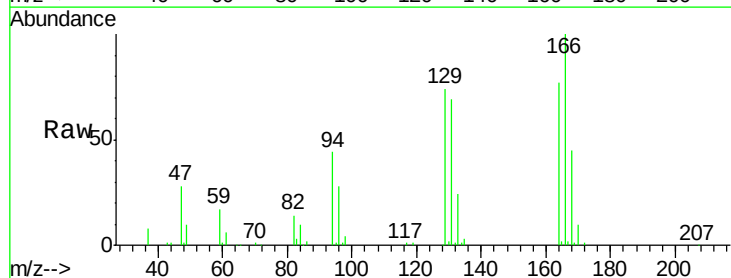
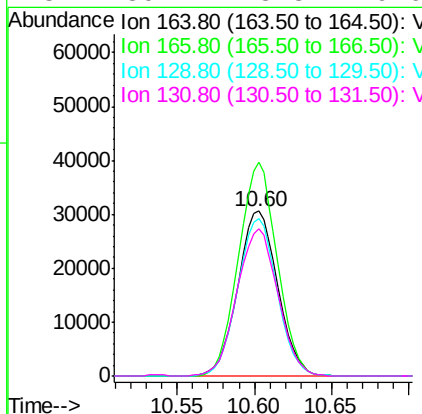
Manual Integrations
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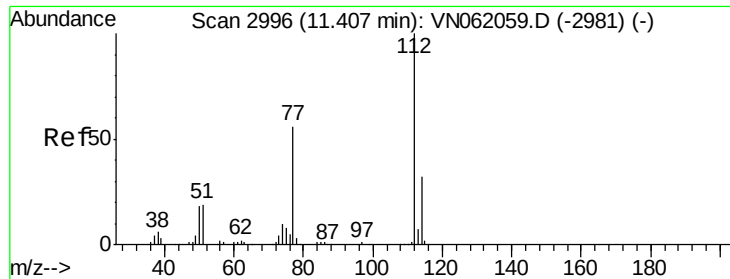
MMDadoda
6/26/2020 10:34:16 AM



#64
Tetrachloroethene
Concen: 18.524 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.9	154.3
129	95.6	75.8	113.8
131	89.4	73.8	110.6





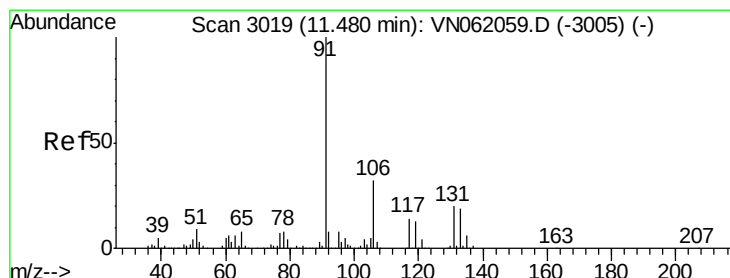
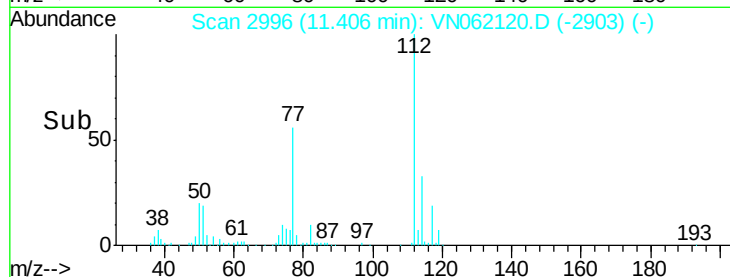
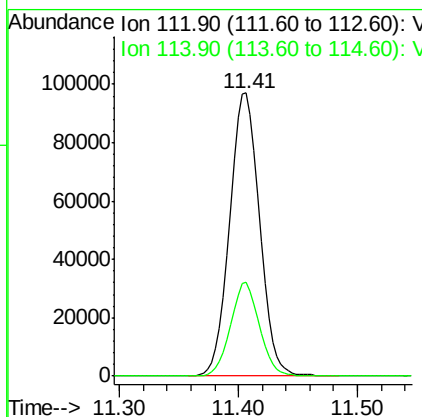
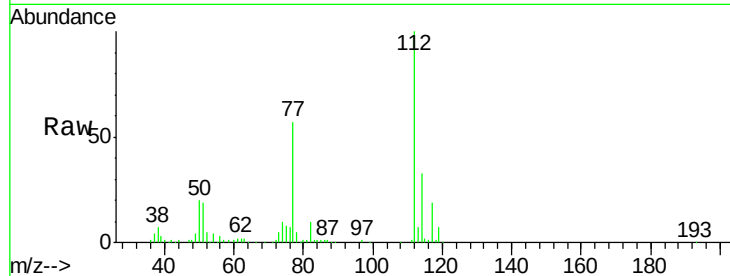
#65
Chlorobenzene
Concen: 17.837 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.8	38.8

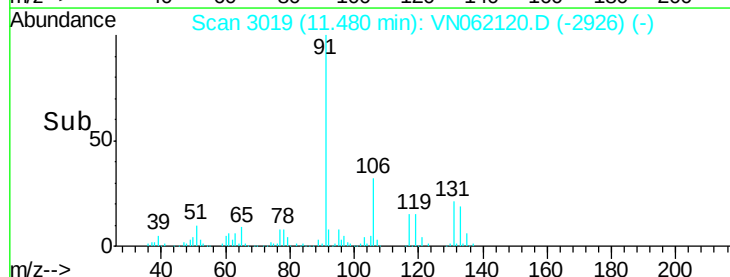
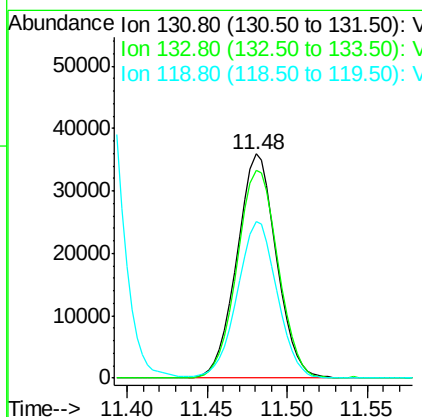
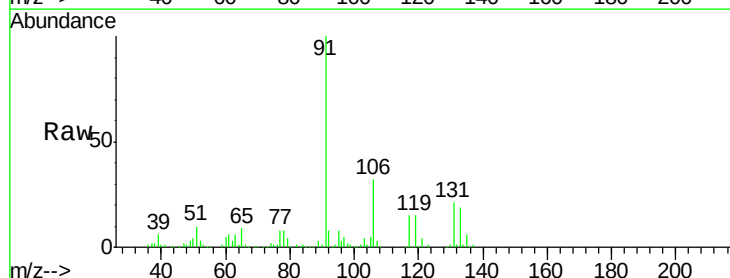
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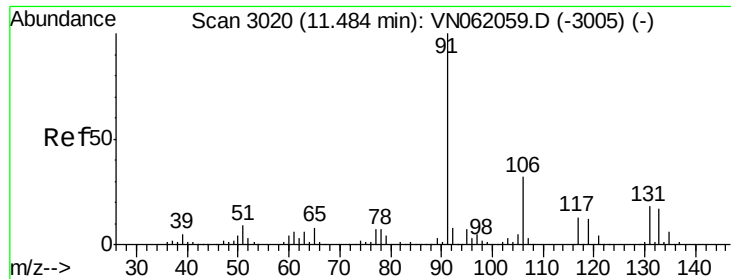
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.395 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.6	142.9
119	70.4	34.4	103.3





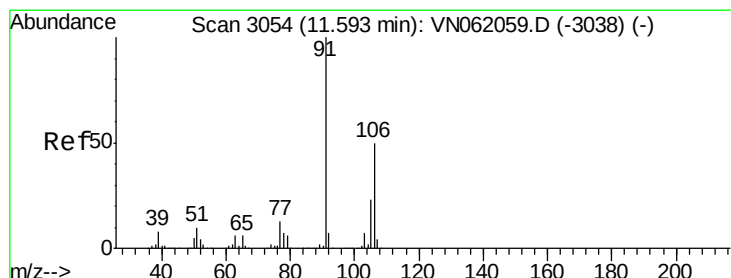
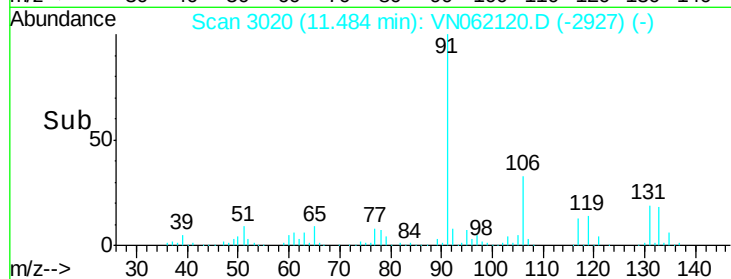
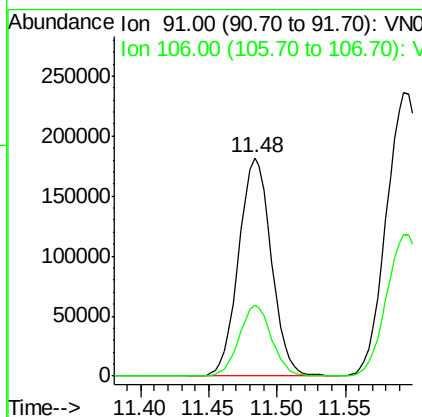
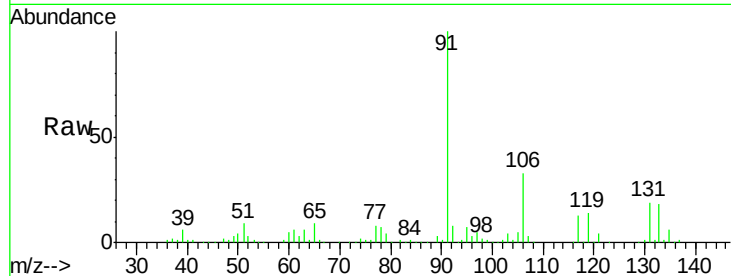
#67
Ethyl Benzene
Concen: 18.890 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion: 91 Resp: 302838
Ion Ratio Lower Upper
91 100
106 32.5 25.3 37.9

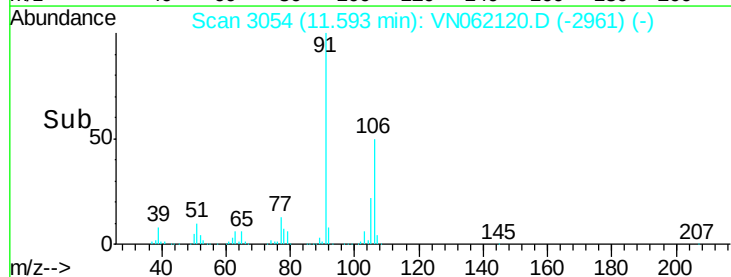
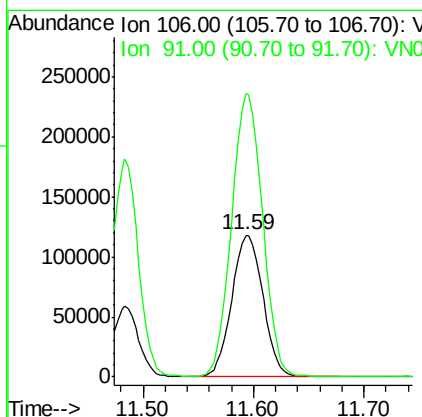
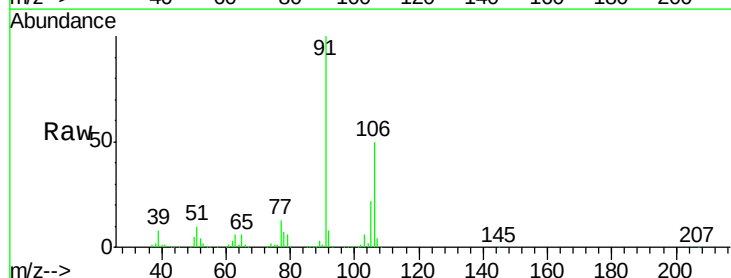
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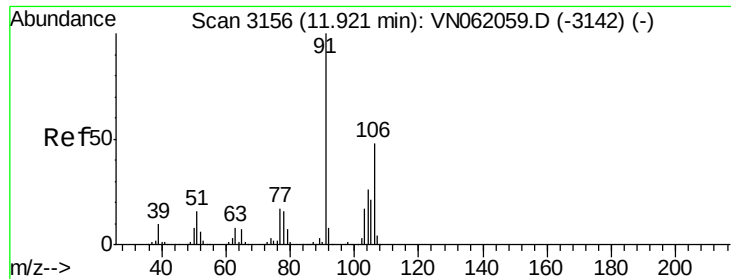
MMDadoda
6/26/2020 10:34:16 AM



#68
m/p-Xylenes
Concen: 37.258 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion: 106 Resp: 231032
Ion Ratio Lower Upper
106 100
91 198.5 157.8 236.8





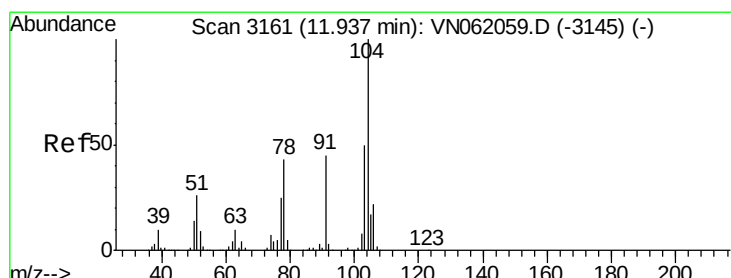
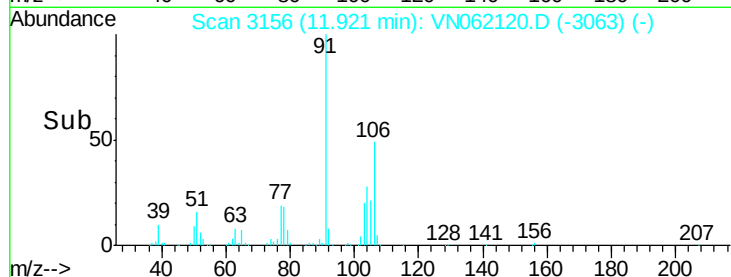
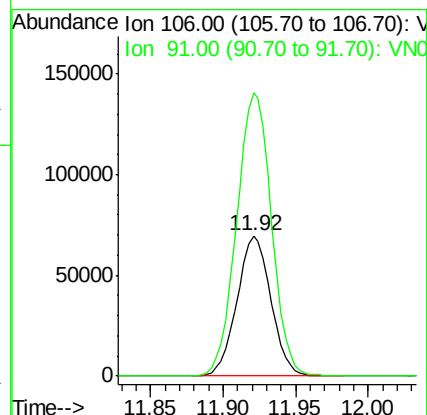
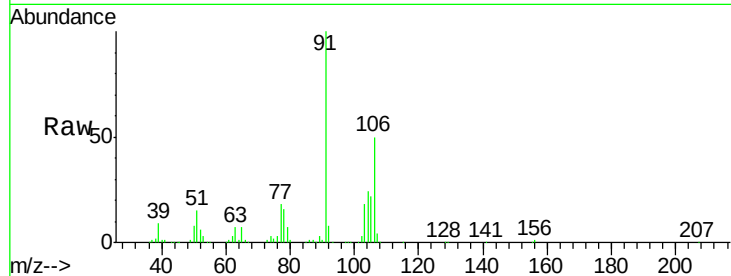
#69
o-Xylene
Concen: 19.311 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	207.6	104.0	311.9		

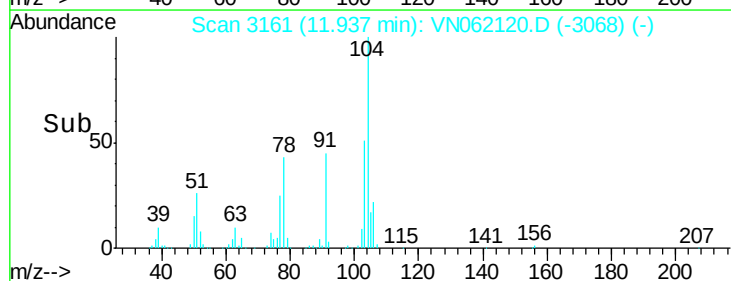
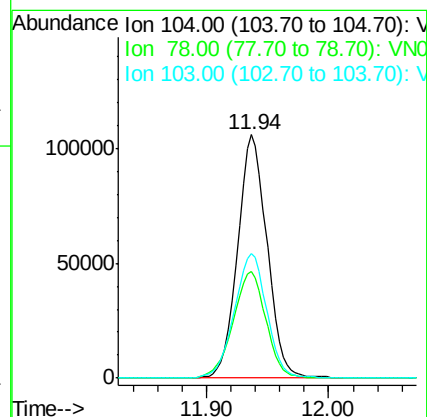
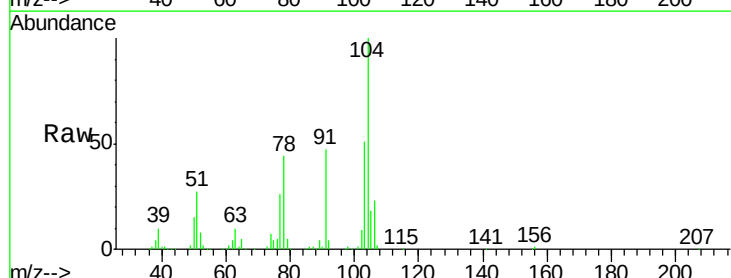
Manual Integrations
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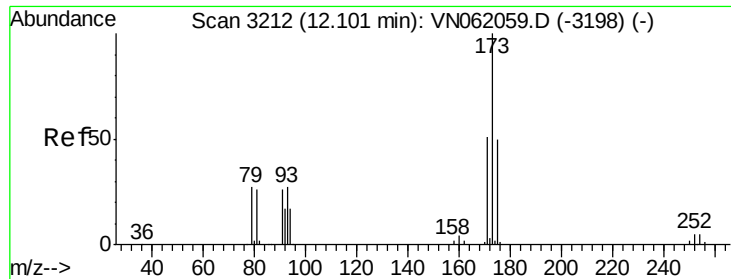
MMDadoda
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#70
Styrene
Concen: 18.215 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	48.9	37.7	56.5		
103	56.4	43.0	64.6		





#71

Bromoform

Concen: 18.443 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBSD01

Tot Ion:173 Resp: 43044

Ion Ratio Lower Upper

173 100

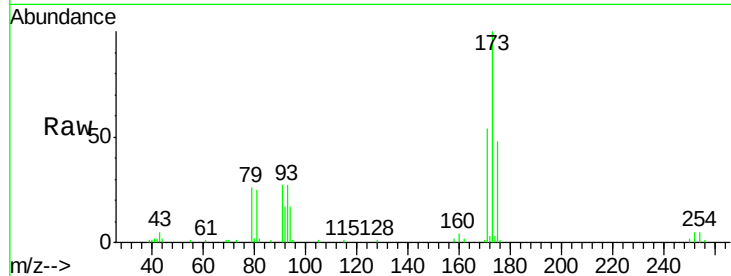
175 48.0 24.7 74.1

254 0.0 0.0 0.0

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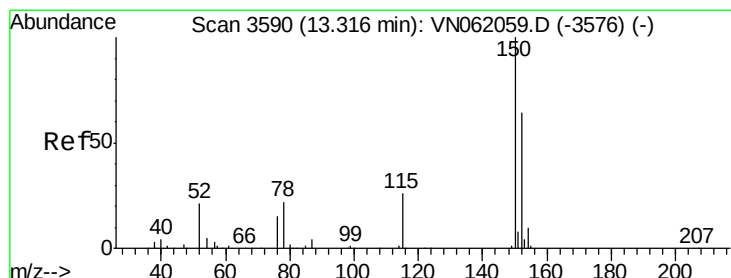
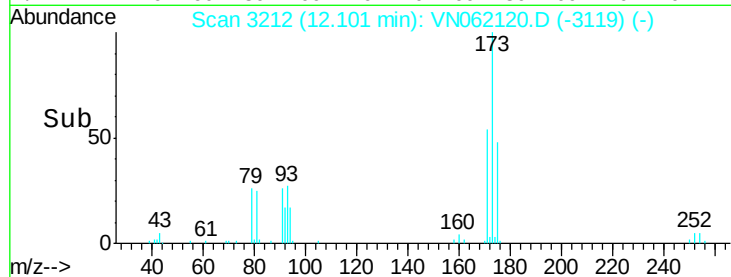
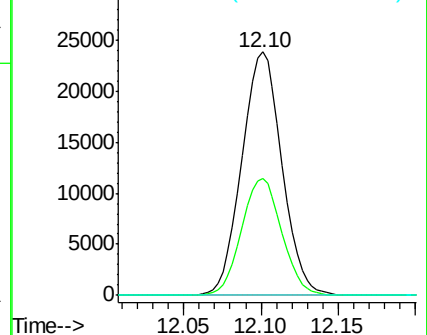
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

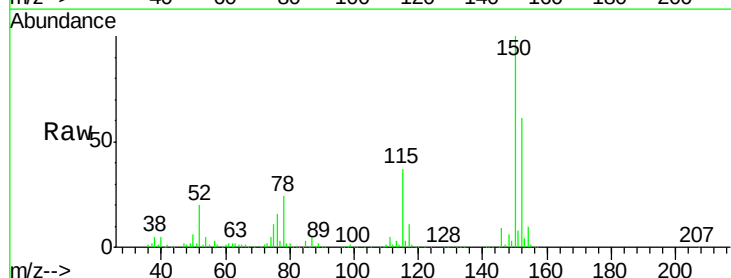
Tgt Ion:152 Resp: 194680

Ion Ratio Lower Upper

152 100

115 59.6 29.5 88.5

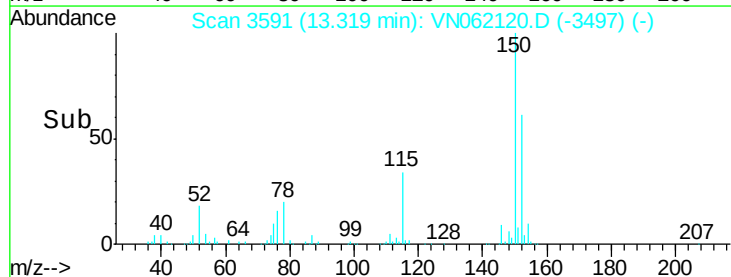
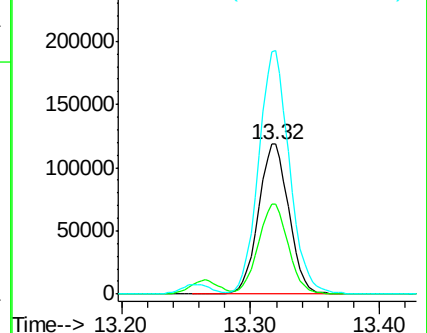
150 164.6 0.0 351.4

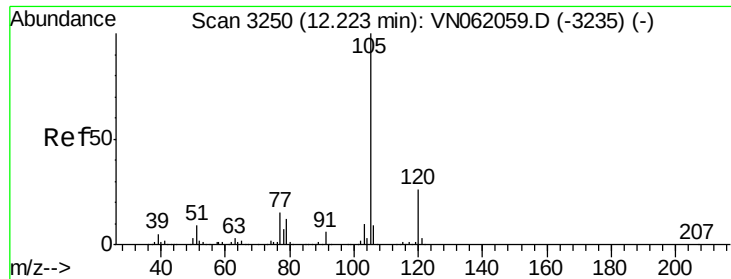


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.331 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBSD01

Tot Ion: 105 Resp: 291310

Ion Ratio Lower Upper

105 100

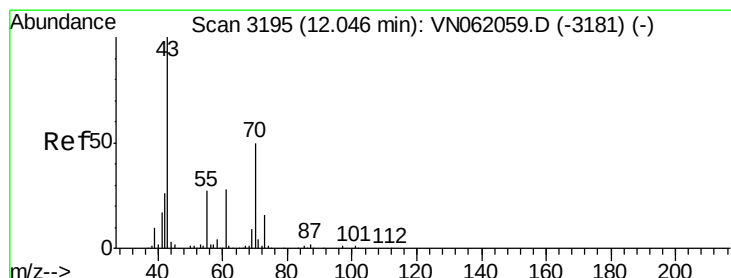
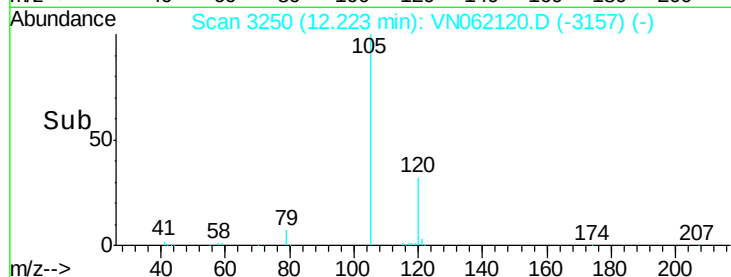
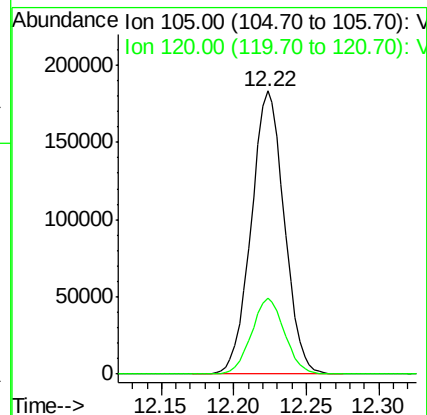
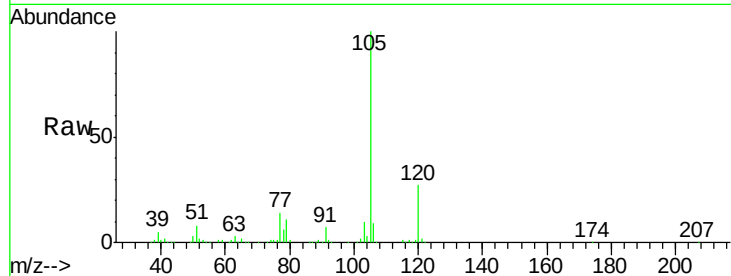
120 26.8 13.2 39.6

Manual Integrations

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6/26/2020 10:34:16 AM



#74

N-ethyl acetate

Concen: 19.847 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Tgt Ion: 43 Resp: 98116

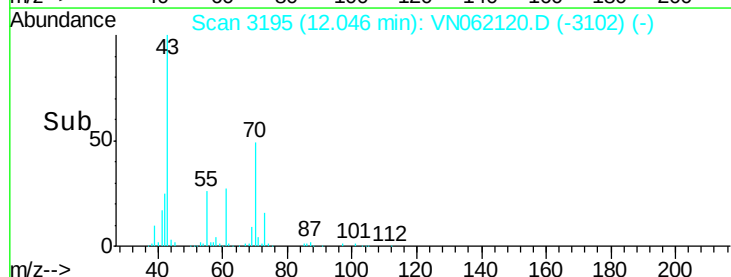
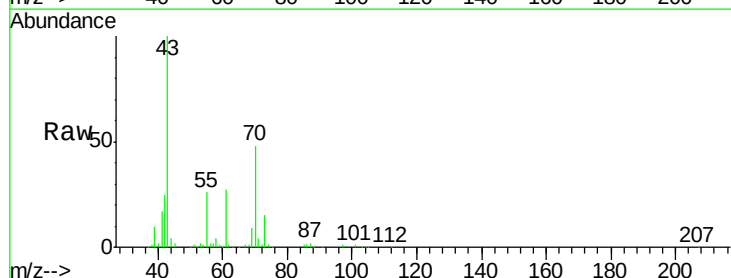
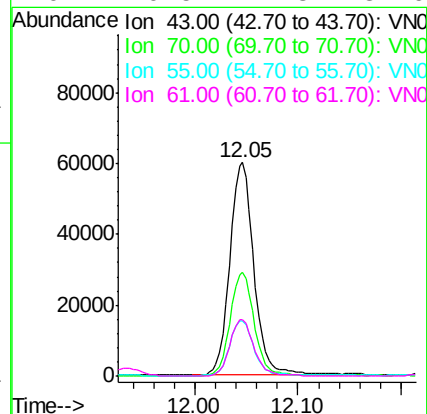
Ion Ratio Lower Upper

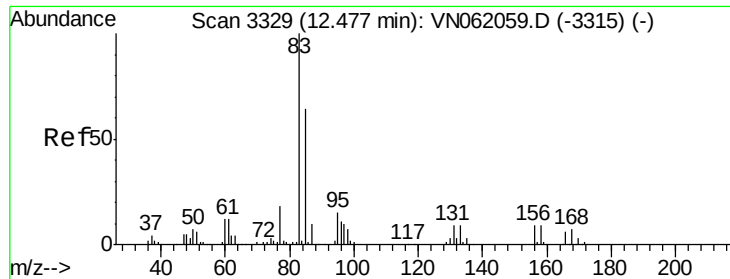
43 100

70 48.4 39.4 59.2

55 26.7 21.7 32.5

61 26.5 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.401 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

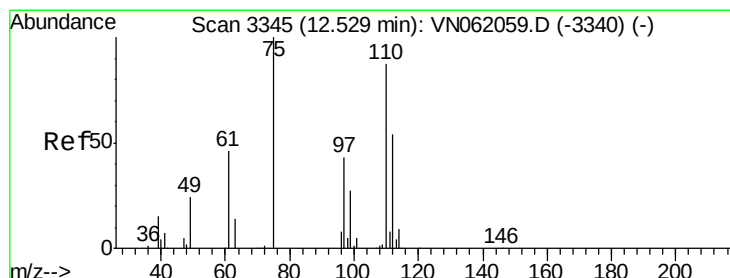
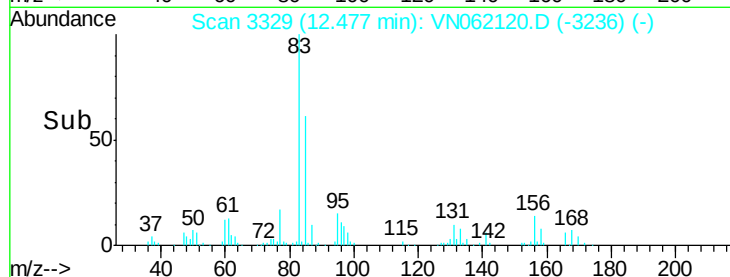
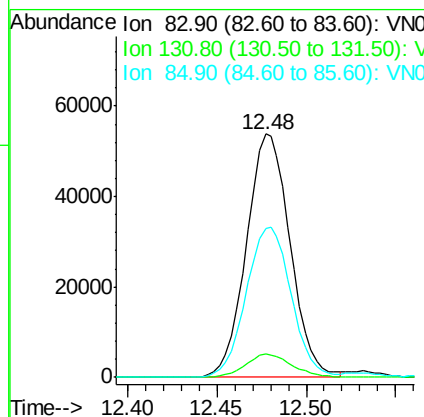
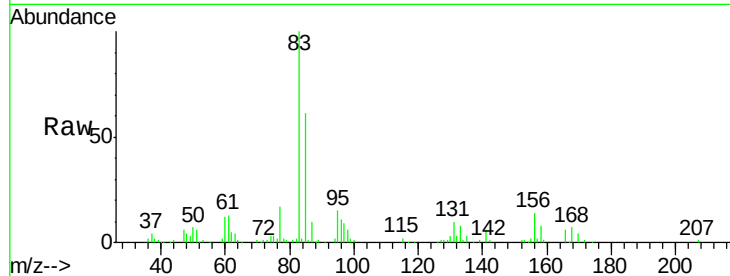
ClientSampleId :

VN0625MBSD01

Tot Ion:	83	Resp:	92278
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.8	14.4
85	63.7	32.4	97.0

Manual Integrations
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6/26/2020 10:34:16 AM



#76

1,2,3-Trichloropropane

Concen: 18.217 ug/l m

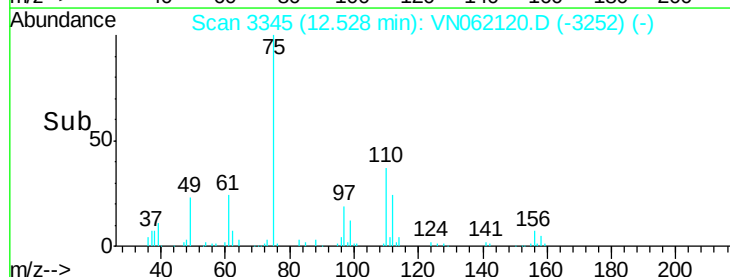
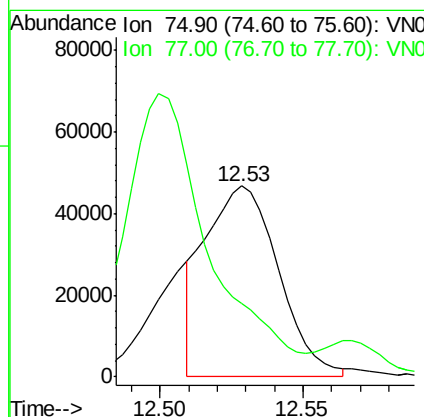
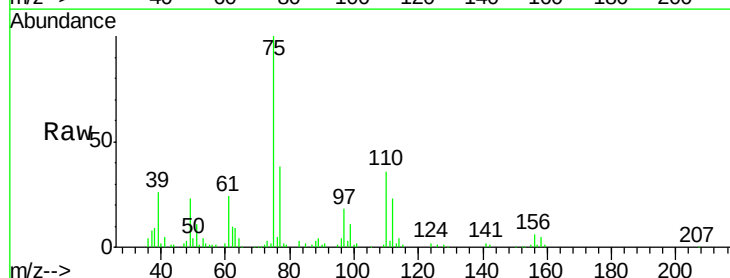
RT: 12.53 min Scan# 3345

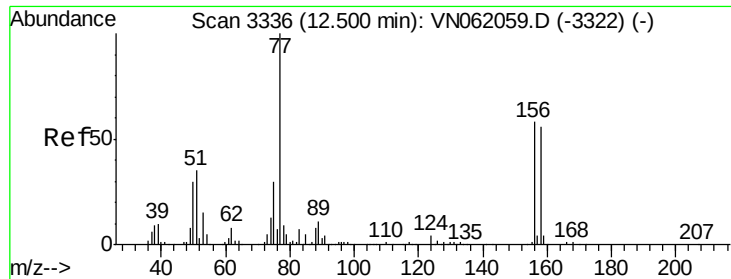
Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Tgt Ion:	75	Resp:	83488
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.823 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

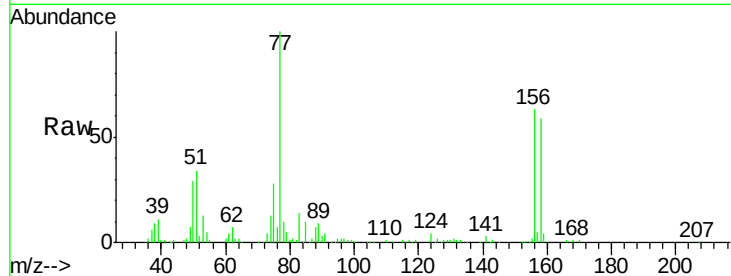
ClientSampleId :

VN0625MBSD01

Tot Ion:	156	Resp:	74165
Ion	Ratio	Lower	Upper
156	100		
77	191.6	104.6	313.8
158	92.5	48.0	144.0

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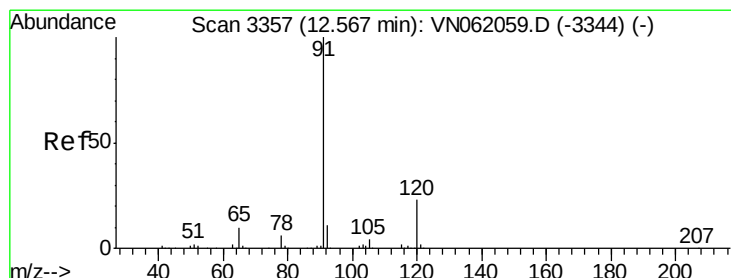
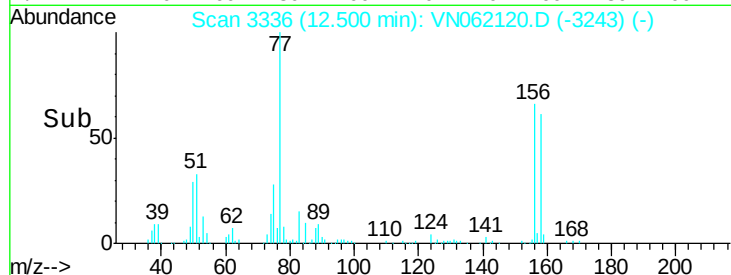
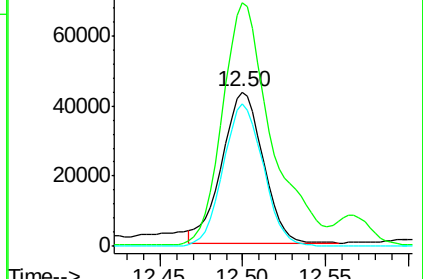
MMDadoda
6/26/2020 10:34:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.156 ug/l

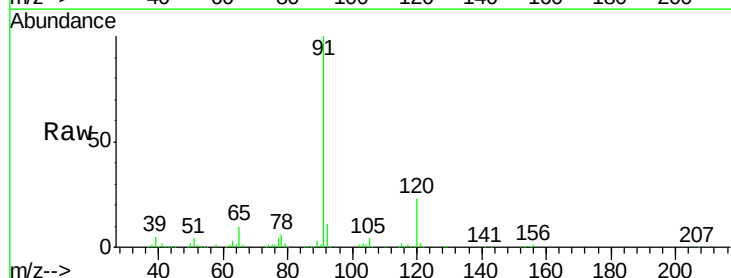
RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062120.D

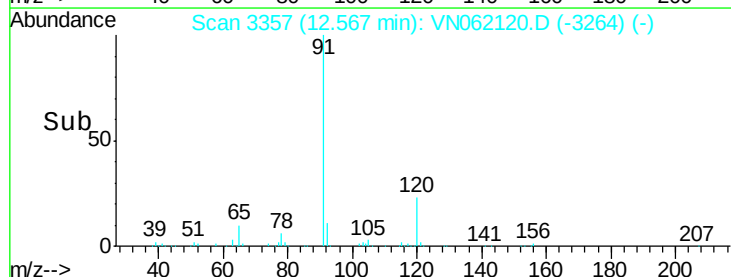
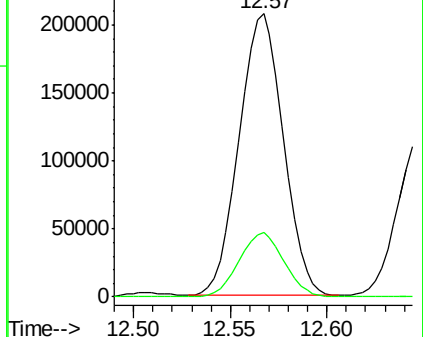
Acq: 25 Jun 2020 18:54

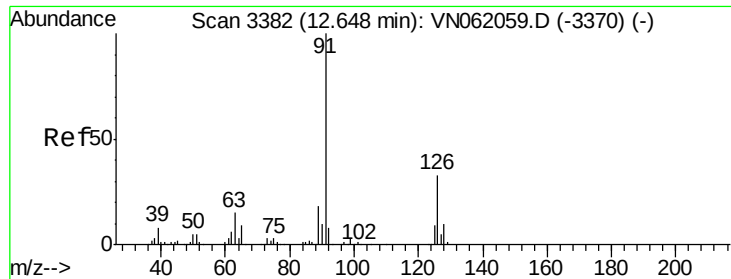
Tgt Ion:	91	Resp:	330202
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.824 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampled :

VN0625MBSD01

Tot Ion: 91 Resp: 196160

Ion Ratio Lower Upper

91 100

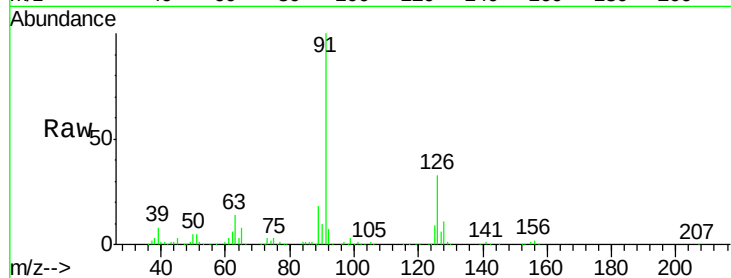
126 34.2 16.9 50.7

Manual Integrations

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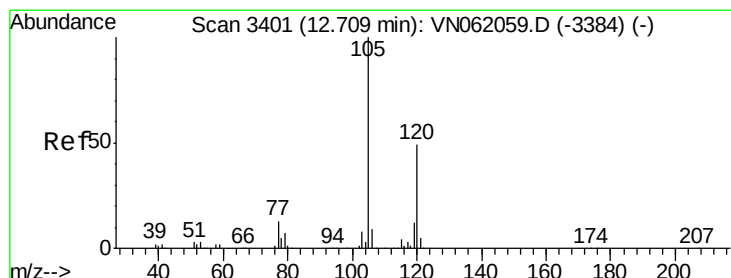
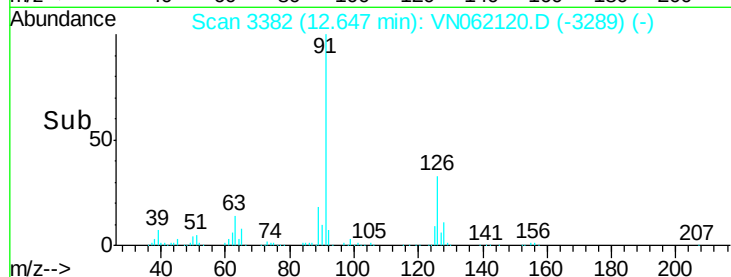
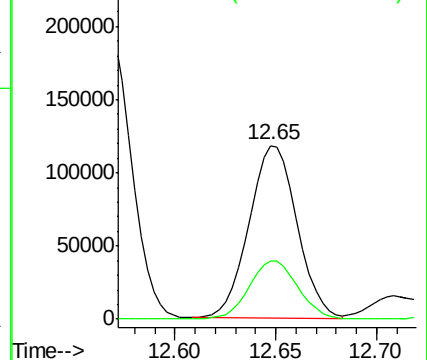
MMDadoda

6/26/2020 10:34:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VN062120.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN062120.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.516 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062120.D

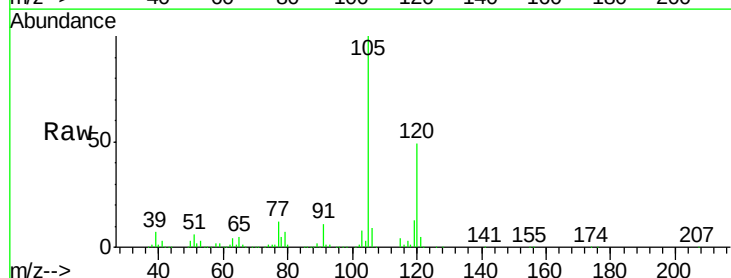
Acq: 25 Jun 2020 18:54

Tgt Ion: 105 Resp: 238420

Ion Ratio Lower Upper

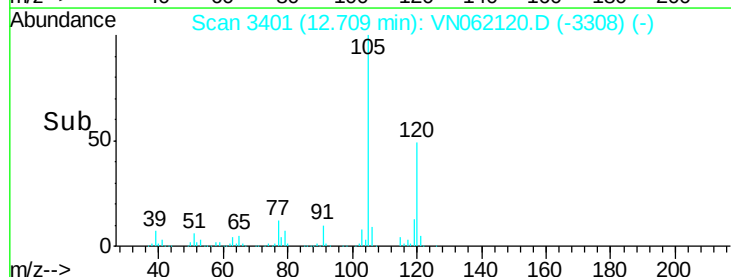
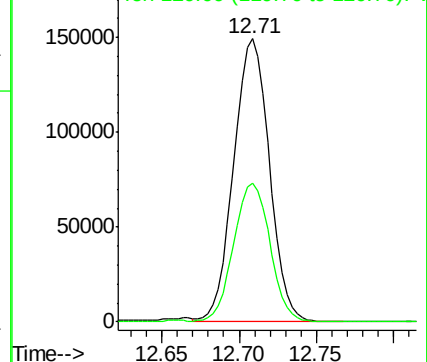
105 100

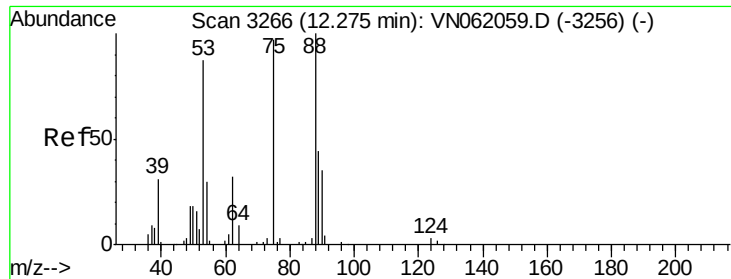
120 50.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062120.D (-3384) (-)

Ion 120.00 (119.70 to 120.70): VN062120.D (-3384) (-)





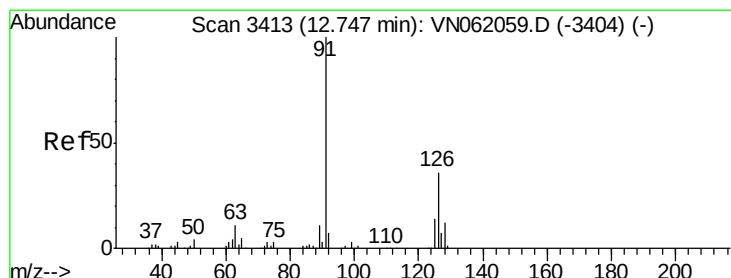
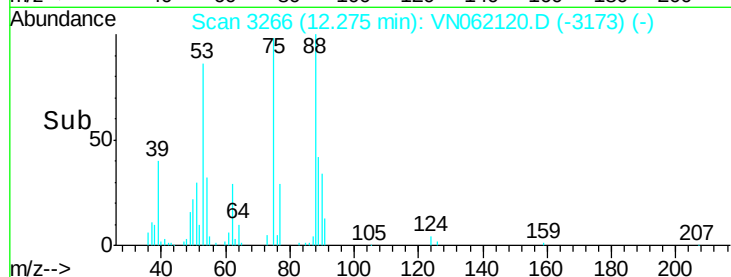
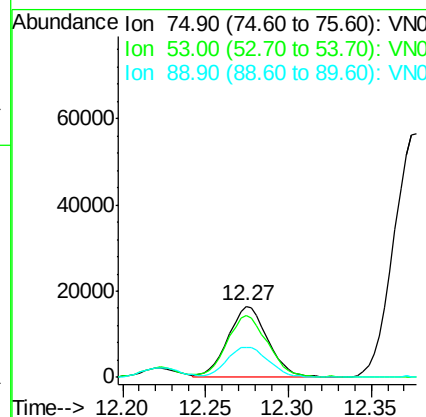
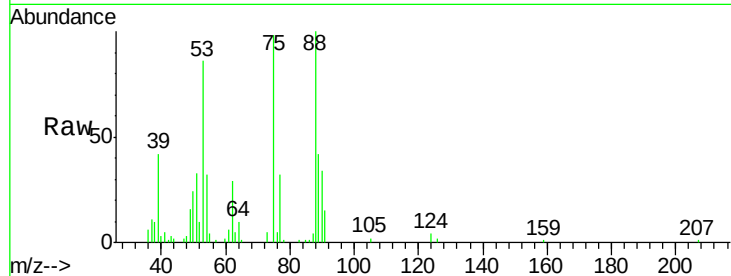
#81
trans-1,4-Dichloro-2-butene
Concen: 17.314 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.1	72.0	108.0
89	45.1	36.9	55.3

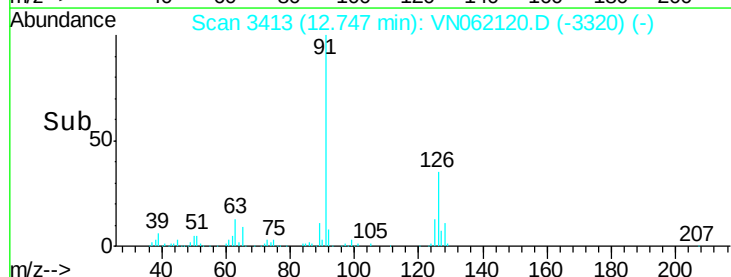
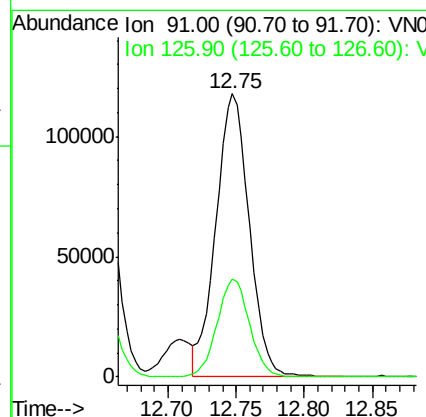
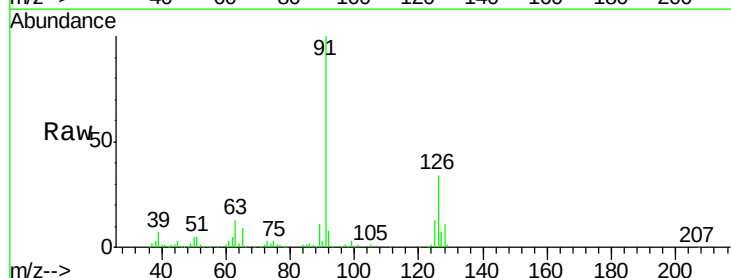
Manual Integrations
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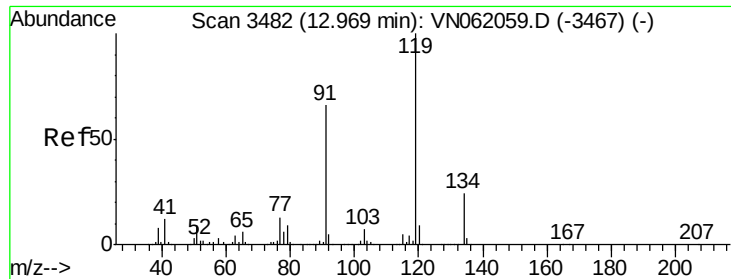
MMDadoda
6/26/2020 10:34:16 AM



#82
4-Chlorotoluene
Concen: 18.357 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.7	50.1





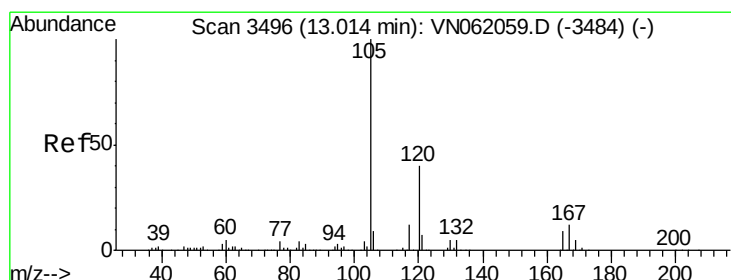
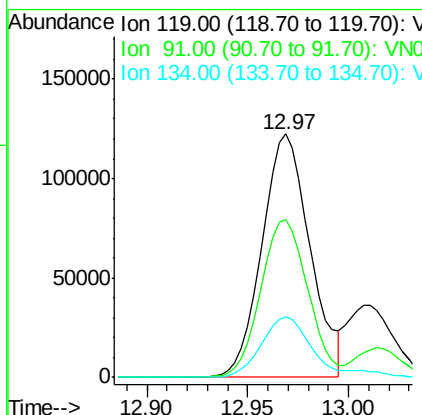
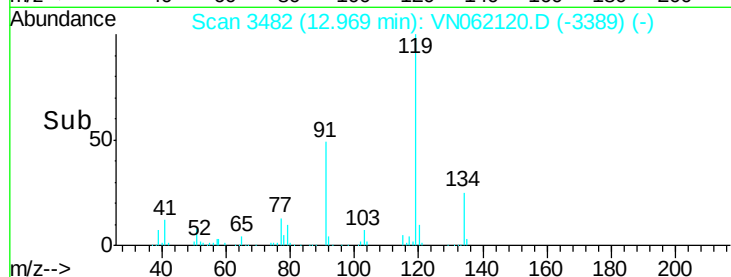
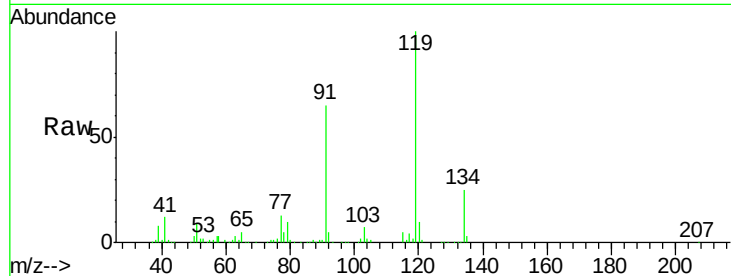
#83
 tert-Butylbenzene
 Concen: 19.428 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.7	95.1
134	25.0	13.1	39.1

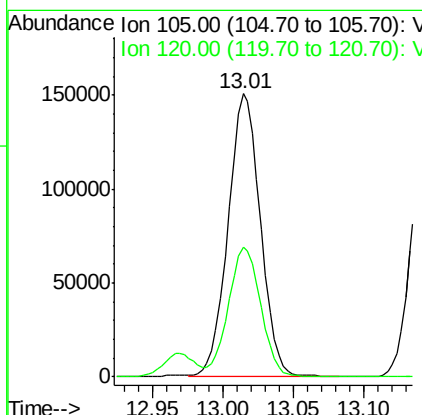
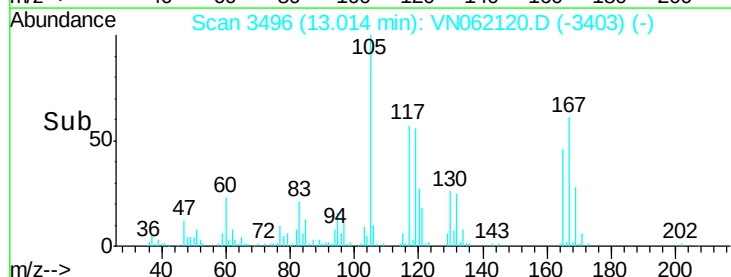
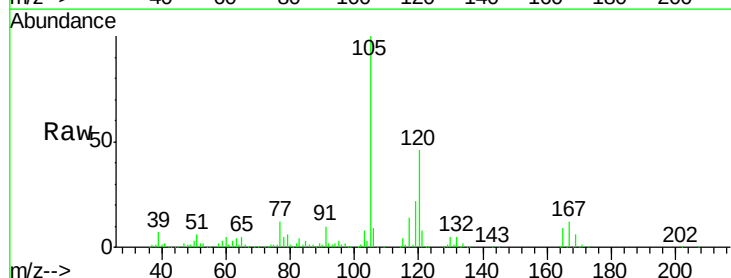
Manual Integrations
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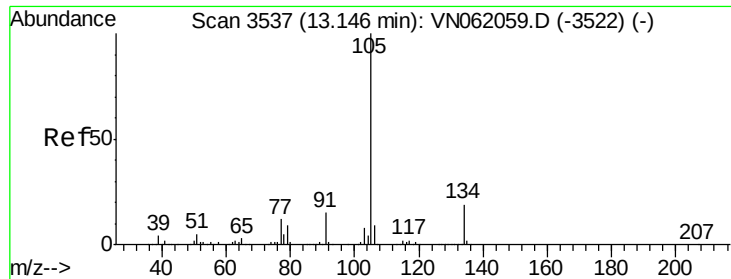
MMDadoda
 6/26/2020 10:34:16 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.689 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5





#85

sec-Butylbenzene

Concen: 18.951 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBSD01

Tot Ion:105 Resp: 261797

Ion Ratio Lower Upper

105 100

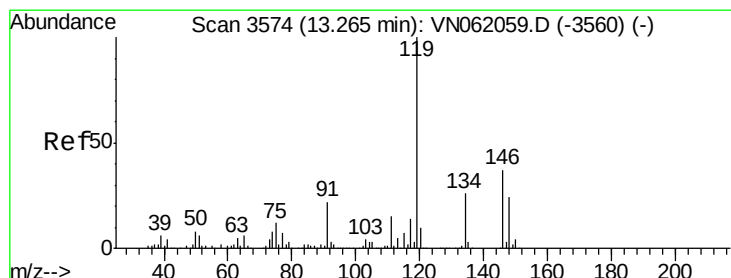
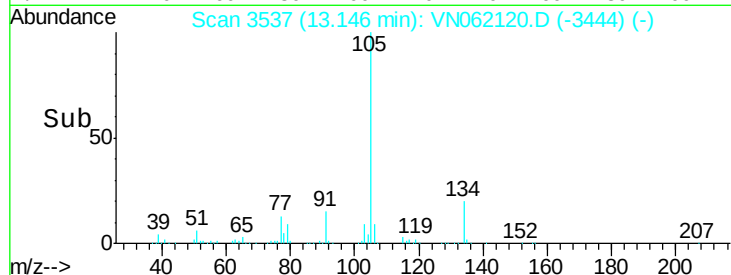
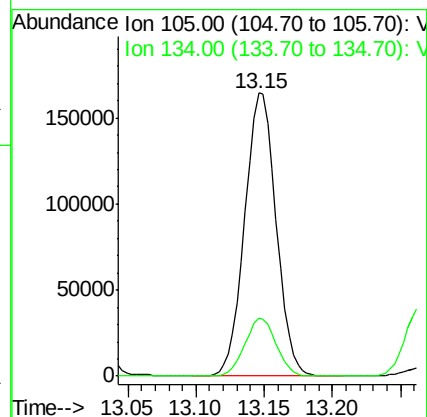
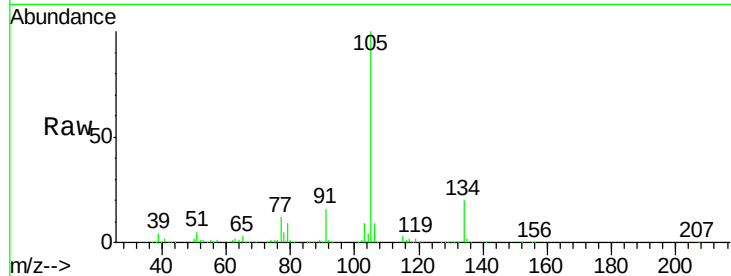
134 20.5 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.378 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

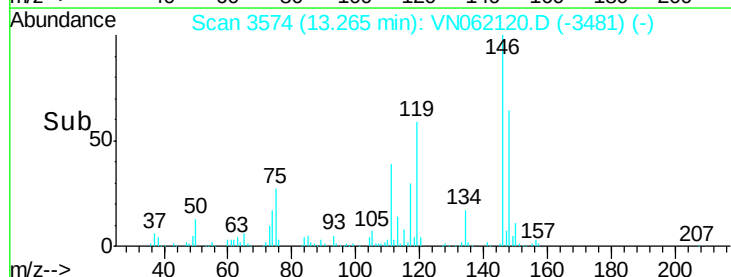
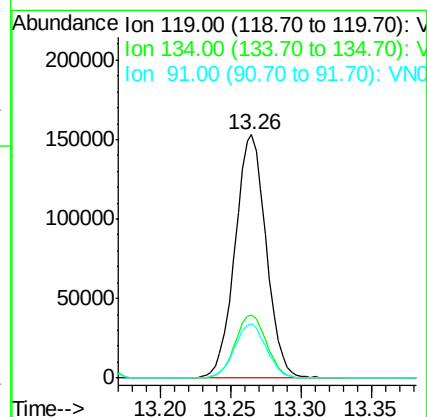
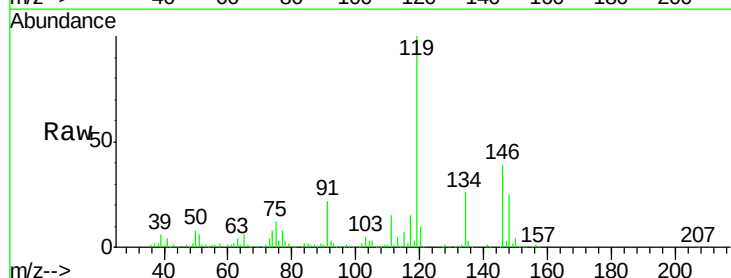
Tgt Ion:119 Resp: 234539

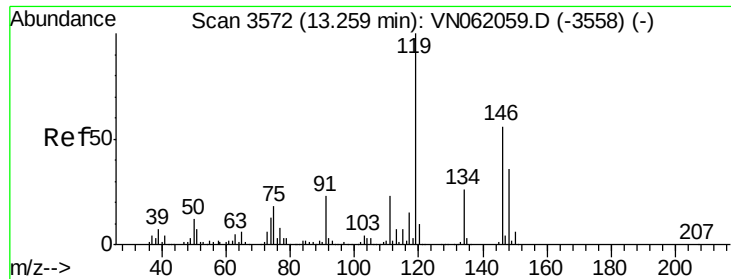
Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

91 23.1 11.3 33.8





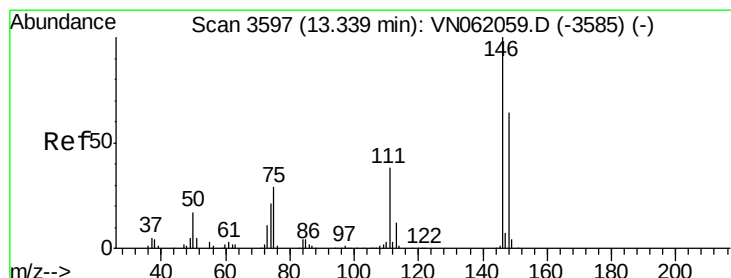
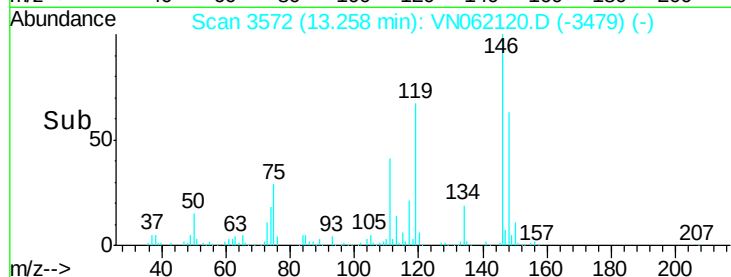
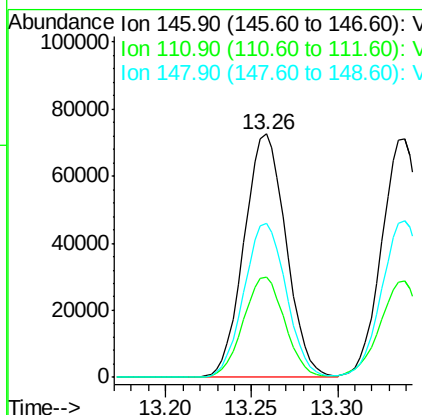
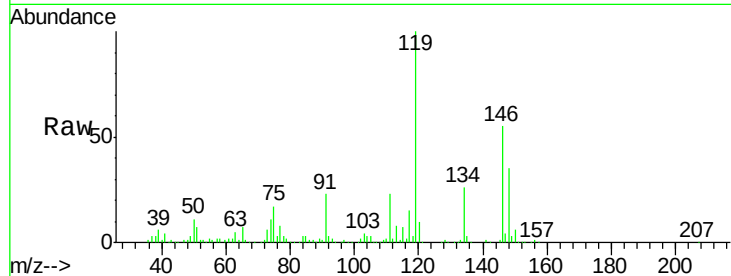
#87
 1,3-Dichlorobenzene
 Concen: 18.741 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123127		
111	40.5	20.3	61.0	
148	63.6	31.8	95.3	

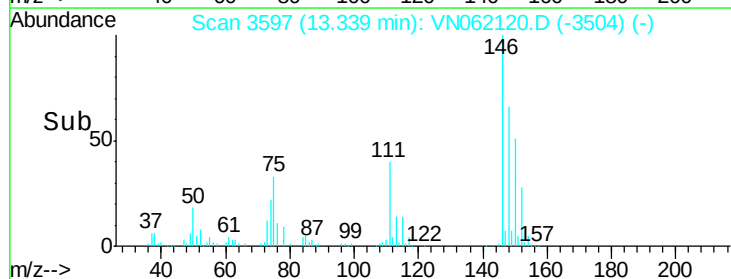
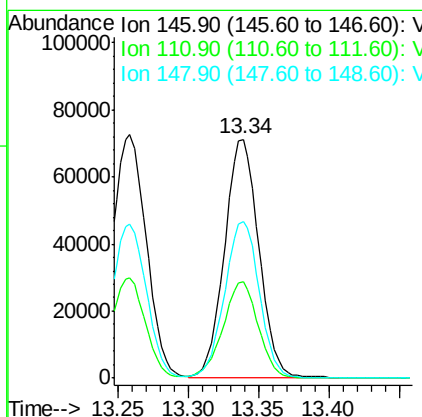
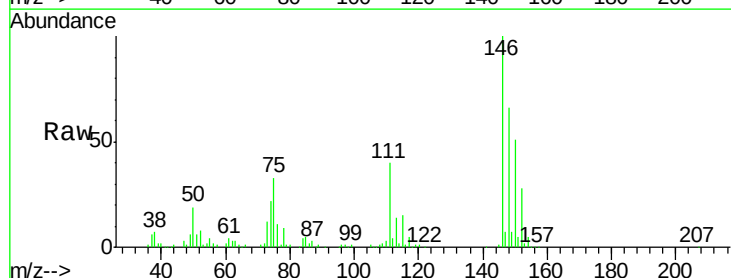
Manual Integrations
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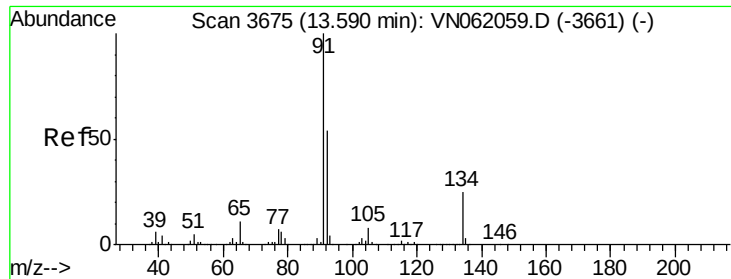
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#88
 1,4-Dichlorobenzene
 Concen: 17.959 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121624		
111	41.2	19.9	59.6	
148	65.2	31.9	95.9	





#89

n-Butylbenzene

Concen: 18.686 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

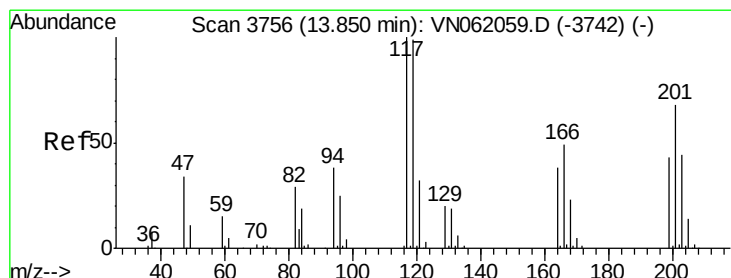
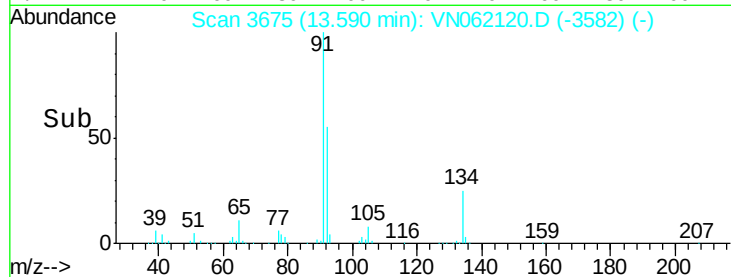
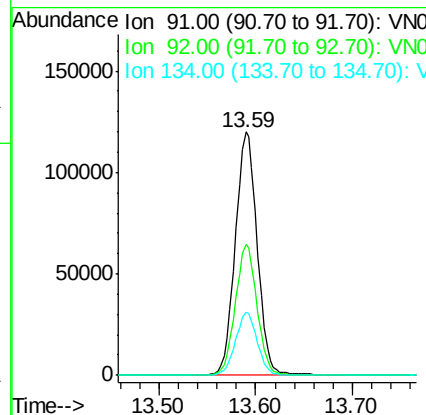
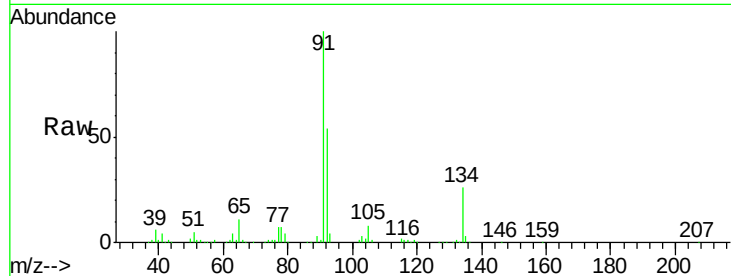
ClientSampleId :

VN0625MBSD01

Tot Ion:	91	Resp:	188028
Ion Ratio	Lower	Upper	
91	100		
92	53.5	26.6	79.7
134	26.0	12.3	36.9

Manual Integrations
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#90

Hexachloroethane

Concen: 17.260 ug/l

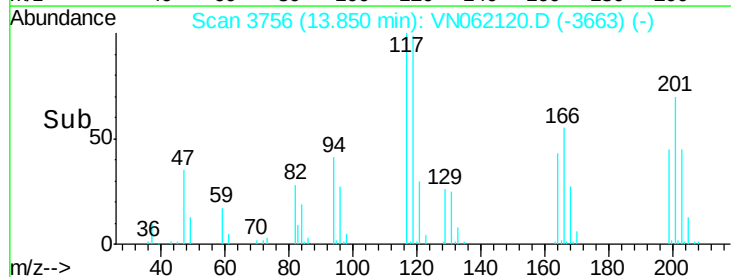
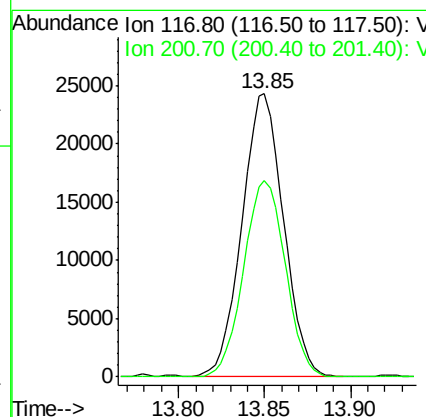
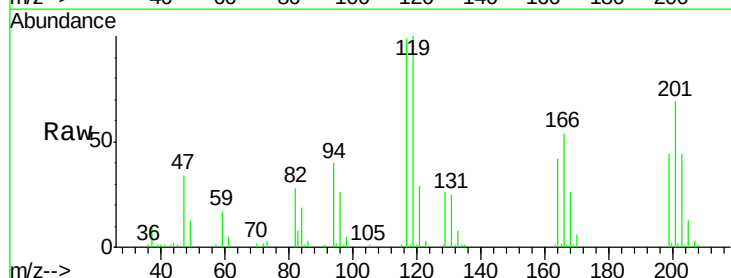
RT: 13.85 min Scan# 3756

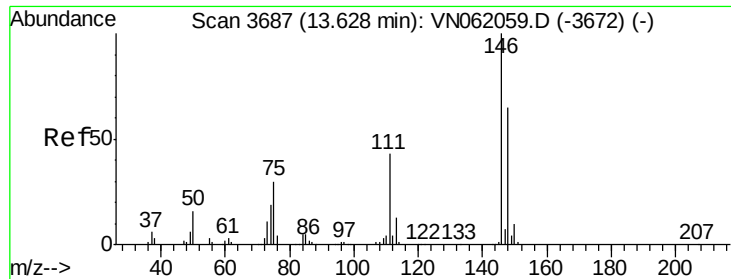
Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Tgt Ion:	117	Resp:	40987
Ion Ratio	Lower	Upper	
117	100		
201	69.3	32.7	98.1





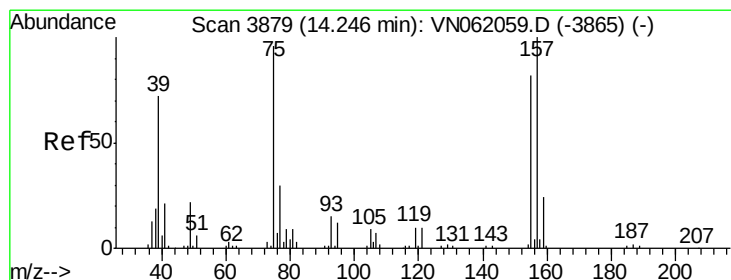
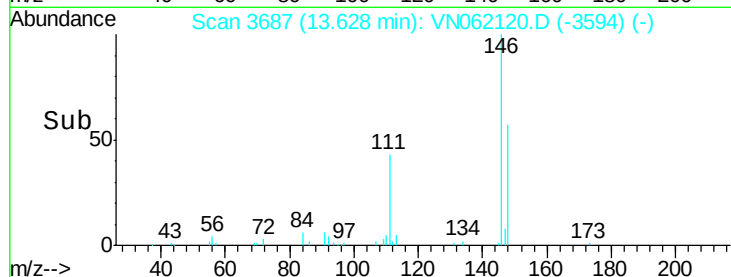
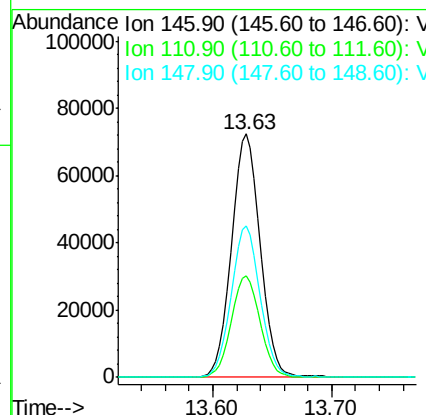
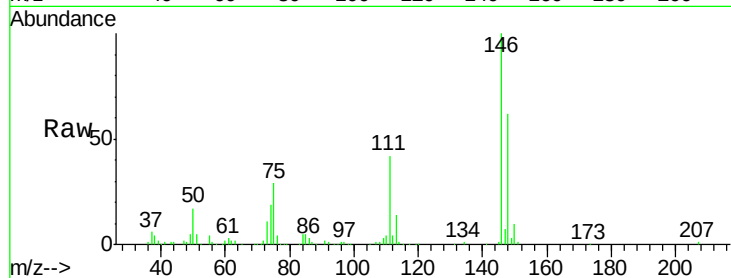
#91
 1,2-Dichlorobenzene
 Concen: 18.999 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.2	63.6
148	62.4	31.9	95.5

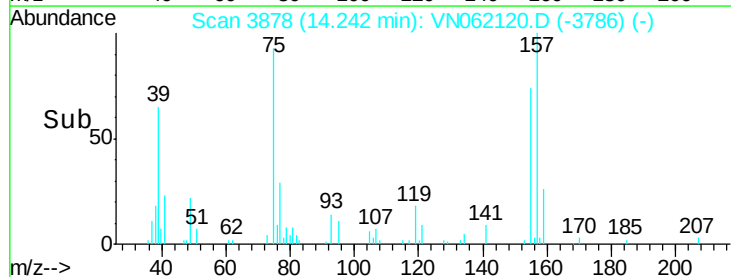
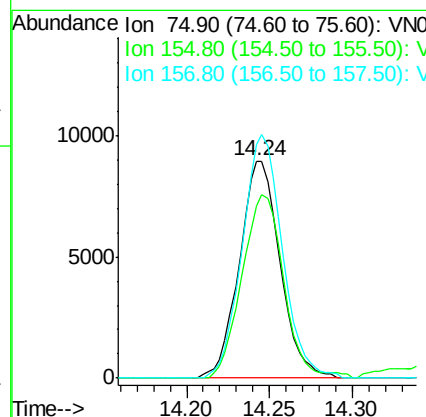
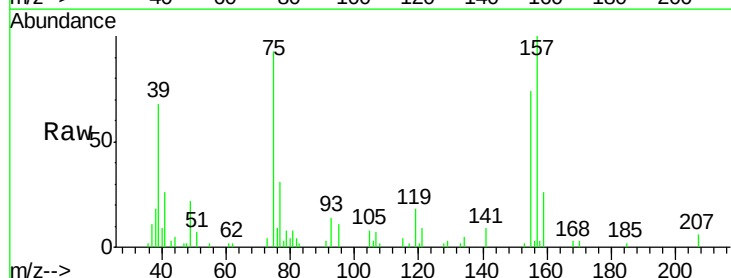
Manual Integrations
 APPROVED

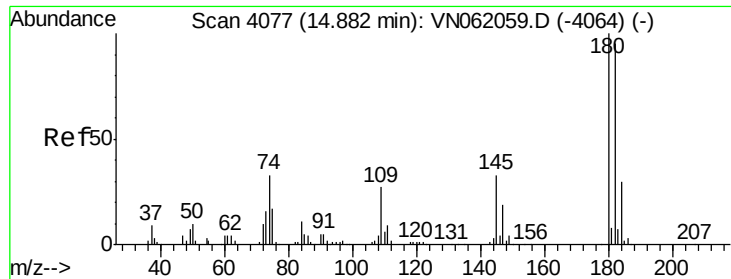
MMDadoda
 6/26/2020 10:34:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.023 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062120.D
 Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	40.8	122.4
157	110.6	51.4	154.3





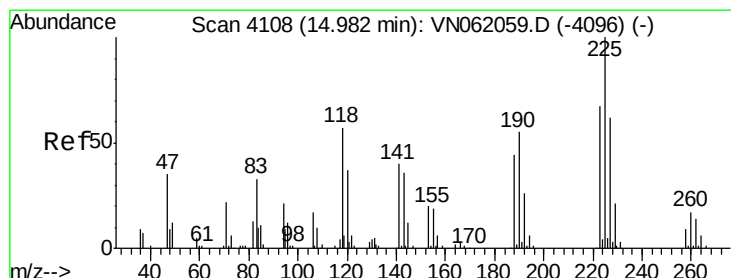
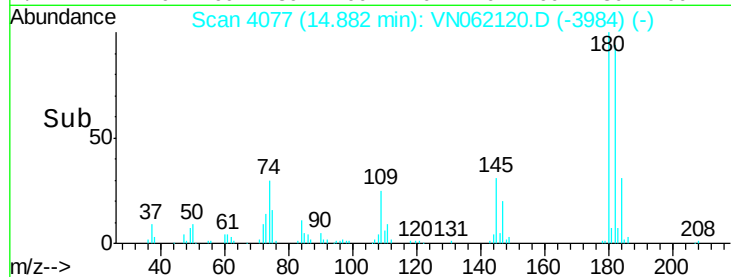
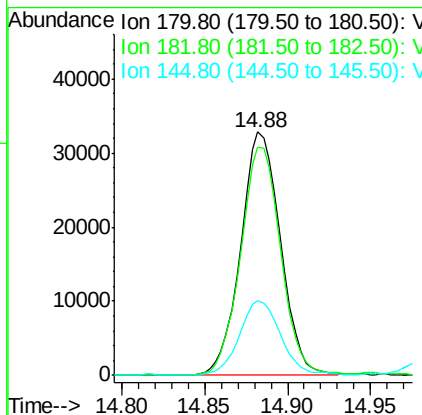
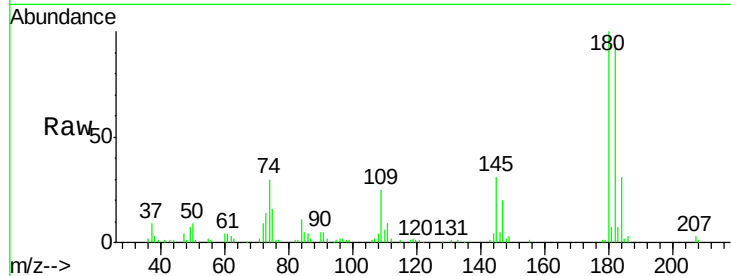
#93
1,2,4-Trichlorobenzene
Concen: 19.704 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	31.8	16.0	48.0

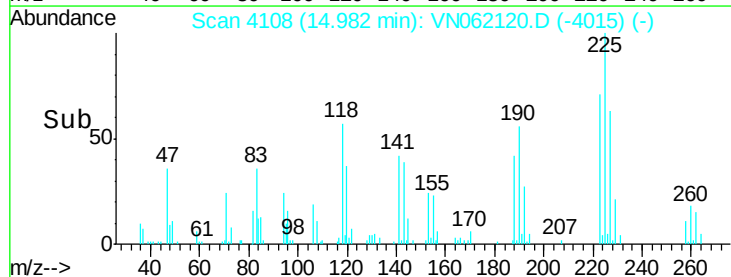
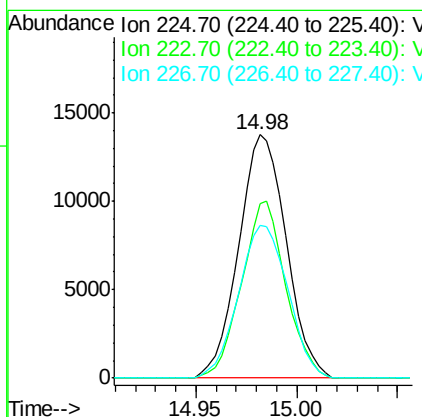
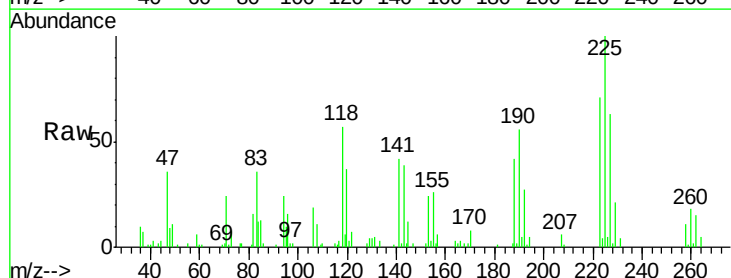
Manual Integrations
APPROVED

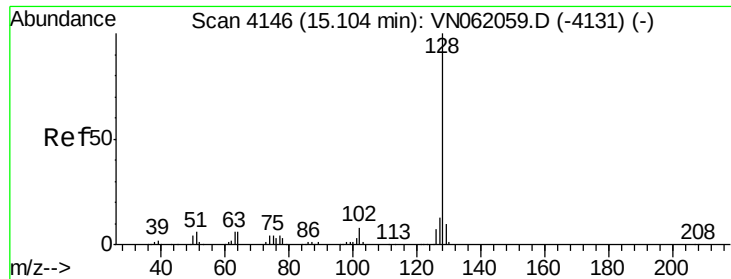
MMDadoda
6/26/2020 10:34:16 AM



#94
Hexachlorobutadiene
Concen: 18.811 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062120.D
Acq: 25 Jun 2020 18:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.4	32.9	98.7
227	65.1	31.3	93.8





#95

Naphthalene

Concen: 21.353 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Instrument :

MSVOA_N

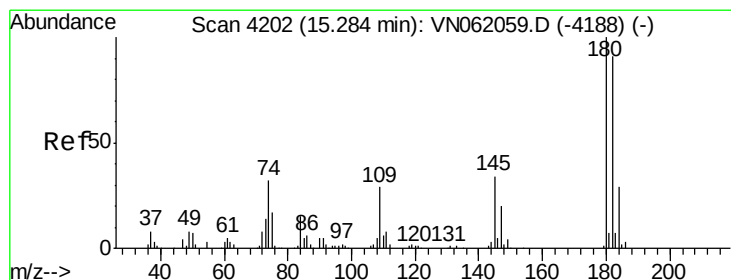
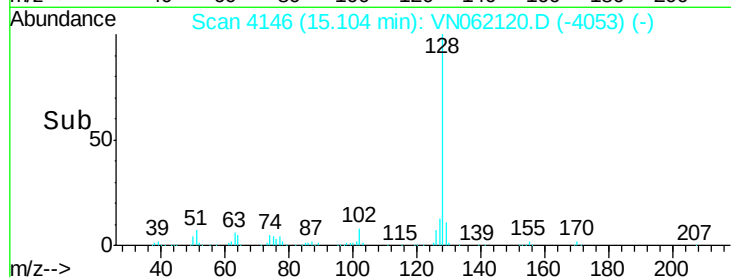
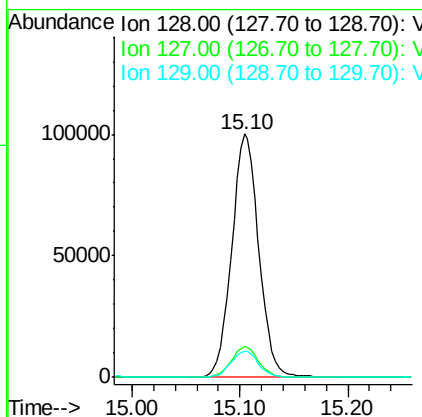
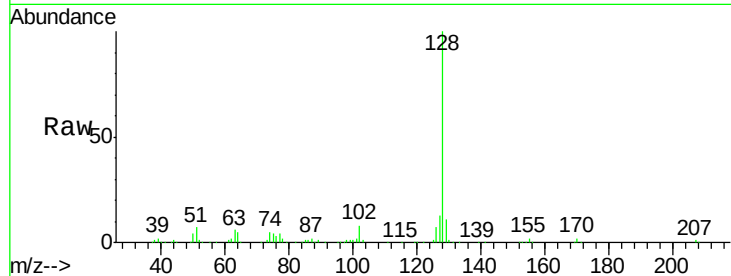
ClientSampleId :

VN0625MBSD01

Tot Ion:	128	Resp:	175063
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/26/2020 10:34:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.813 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN062120.D

Acq: 25 Jun 2020 18:54

Tgt Ion:	180	Resp:	56383
Ion Ratio	Lower	Upper	
180	100		
182	94.4	46.8	140.4
145	33.6	16.4	49.2

