

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061731.D
 Acq On : 10 Jun 2020 11:17
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:44:30 PM

Quant Time: Jun 10 12:12:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	64269	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	336568	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	324280	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	117498	21.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	72.83%
60) 4-Bromofluorobenzene	12.38	95	145201	26.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.57%
63) Toluene-d8	10.06	98	407928	27.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	130225	45.288	ug/l 98
3) Chloromethane	2.03	50	162031	33.210	ug/l 99
4) Vinyl Chloride	2.16	62	225071	34.357	ug/l 100
5) Bromomethane	2.53	94	146004	42.001	ug/l 96
6) Chloroethane	2.67	64	151691	34.216	ug/l 98
7) Trichlorofluoromethane	2.98	101	310622	41.763	ug/l 99
8) Diethyl Ether	3.37	74	96877	41.644	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	157634	49.033	ug/l 99
10) 1,1-Dichloroethene	3.70	96	158055	47.064	ug/l 95
11) Methyl Iodide	3.91	142	214888	56.060	ug/l 99
12) Methyl Acetate	4.28	43	121900	31.967	ug/l 99
13) Acrolein	3.57	56	91846	145.843	ug/l 98
14) Acrylonitrile	4.93	53	322214	178.731	ug/l # 90
15) Acetone	3.77	58	93132	206.780	ug/l 93
16) Carbon Disulfide	4.01	76	342201	37.909	ug/l 98
17) Allyl chloride	4.27	41	185954	29.791	ug/l 98
18) Methylene Chloride	4.50	84	177988	44.031	ug/l 96
19) trans-1,2-Dichloroethene	4.99	96	176932	44.577	ug/l 99
20) Diisopropyl ether	5.90	45	419911	28.984	ug/l 97
21) 1,1-Dichloroethane	5.80	63	280682	35.950	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	204224	44.379	ug/l 97
23) tert-Butyl Alcohol	4.73	59	121142	205.883	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	496693	38.086	ug/l # 78
25) Chloroform	7.33	83	315639	40.822	ug/l 97
26) Cyclohexane	7.61	56	228401	31.475	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	232005	41.639	ug/l 100
30) 2-Butanone	6.78	43	385375	168.974	ug/l 100
31) 2,2-Dichloropropane	6.77	77	261737	40.133	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	289804	45.445	ug/l 99
33) Carbon Tetrachloride	7.73	117	240066	48.566	ug/l 97
34) Benzene	8.00	78	711757	44.541	ug/l # 93
35) Methacrylonitrile	7.12	41	65895	30.079	ug/l # 75
36) 1,2-Dichloroethane	8.09	62	224175	37.670	ug/l 99
37) Trichloroethene	8.80	130	218278	53.026	ug/l 99
38) Methylcyclohexane	9.05	83	269187	40.620	ug/l 99
39) 1,2-Dichloropropane	9.09	63	166186	38.882	ug/l 99
40) Dibromomethane	9.18	93	126926	46.202	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	256372	43.706	ug/l	98
42) Vinyl Acetate	5.84	43	1632275	152.625	ug/l	100
43) Ethyl Acetate	6.88	43	164954	34.989	ug/l	99
44) Isopropyl Acetate	8.13	43	284456	30.602	ug/l	100
45) 1,4-Dioxane	9.16	88	56704	1312.787	ug/l	97
46) Methyl methacrylate	9.17	41	123053	28.498	ug/l	98
47) n-amyl Acetate	12.04	43	244500	29.783	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	269744	39.892	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	294189	40.692	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	183018	47.980	ug/l	96
51) Ethyl methacrylate	10.40	69	241077	38.592	ug/l	99
52) 1,3-Dichloropropane	10.68	76	291387	43.137	ug/l	99
53) Dibromochloromethane	10.87	129	216097	51.053	ug/l	99
54) 1,2-Dibromoethane	10.98	107	193190	48.960	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	479505	177.745	ug/l	100
56) Bromoform	12.10	173	150281	55.537	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	825585	154.712	ug/l	99
59) 2-Hexanone	10.72	43	595324	157.464	ug/l	100
61) Tetrachloroethene	10.60	164	244171	58.197	ug/l	95
62) Toluene	10.12	91	801656	44.079	ug/l	99
64) Chlorobenzene	11.41	112	510304	46.816	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	194824	48.634	ug/l	99
66) Ethyl Benzene	11.48	91	895817	43.370	ug/l	100
67) m/p-Xylenes	11.60	106	716195	92.612	ug/l	98
68) o-Xylene	11.92	106	333171	45.293	ug/l	99
69) Styrene	11.94	104	565454	44.782	ug/l	100
70) Isopropylbenzene	12.22	105	893463	44.947	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	230184	42.420	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	214891m	41.918	ug/l	
73) Bromobenzene	12.50	156	235835	54.481	ug/l	99
74) n-propylbenzene	12.56	91	1012392	43.149	ug/l	100
75) 2-Chlorotoluene	12.65	91	581653	43.248	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	735277	44.147	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	78166	36.922	ug/l	98
78) 4-Chlorotoluene	12.75	91	609242	43.166	ug/l	100
79) tert-butylbenzene	12.97	119	634422	45.743	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	743577	44.530	ug/l	100
81) sec-Butylbenzene	13.15	105	824281	43.437	ug/l	100
82) p-Isopropyltoluene	13.26	119	771959	44.965	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	419386	52.426	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	414413	52.633	ug/l	98
85) n-Butylbenzene	13.59	91	636716	40.844	ug/l	99
86) Hexachloroethane	13.85	117	101647	42.907	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	400580	52.875	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	42301	37.696	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	237748	55.096	ug/l	99
90) Hexachlorobutadiene	14.98	225	99284	54.939	ug/l	98
91) Naphthalene	15.10	128	667620	50.203	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	228420	54.053	ug/l	100

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VSTDICC050

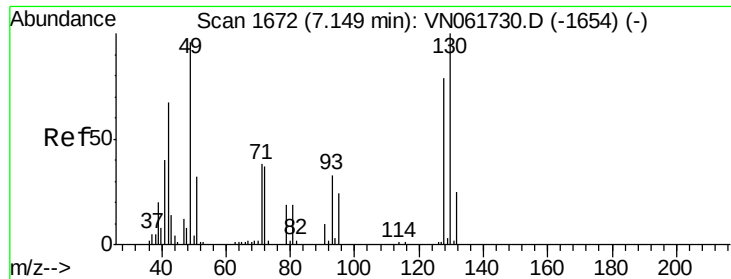
Manual Integrations
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QLast Update : Wed Jun 10 11:59:42 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

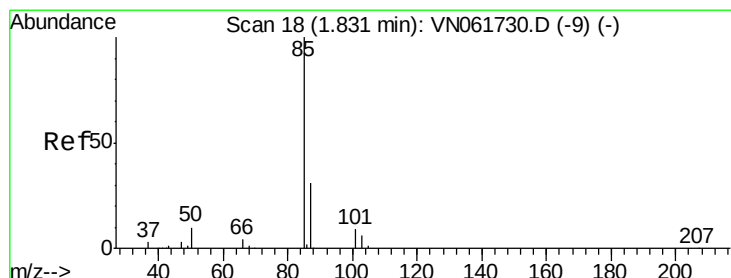
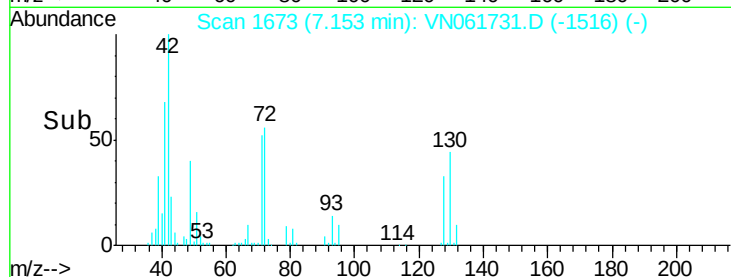
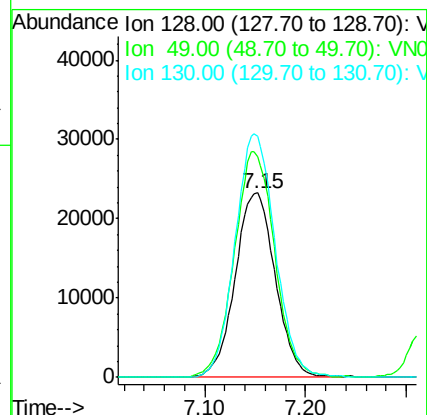
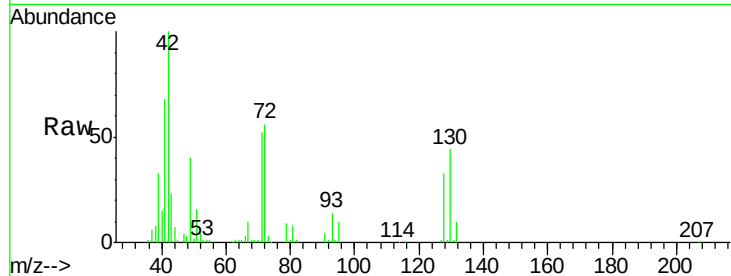
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	123.6	0.0	312.3
130	131.7	0.0	328.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 45.288 ug/l

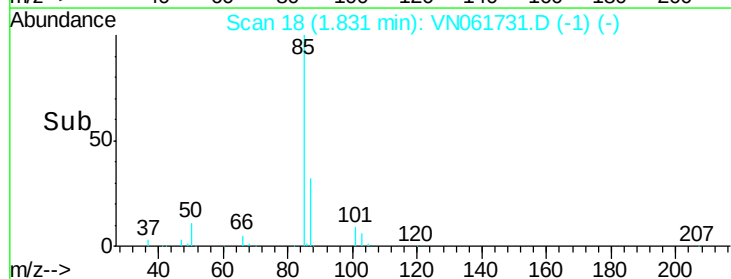
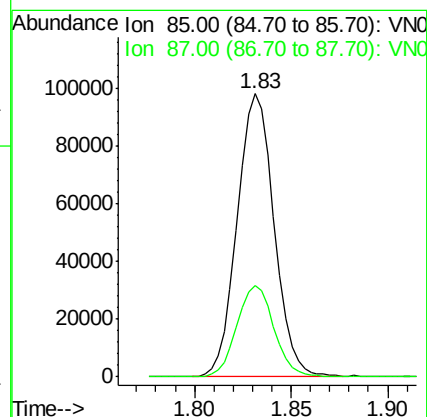
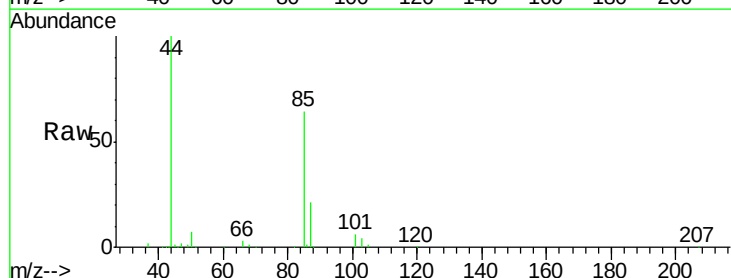
RT: 1.83 min Scan# 18

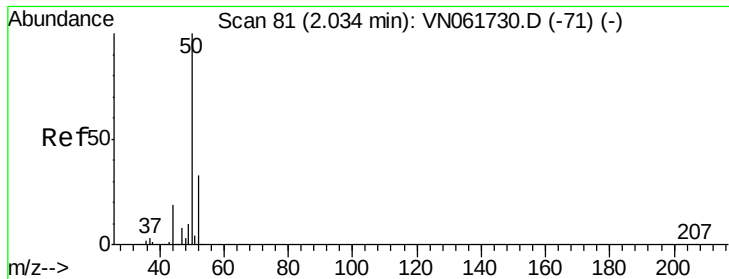
Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.7	47.1





#3

Chloromethane

Concen: 33.210 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 162031

Ion Ratio Lower Upper

50 100

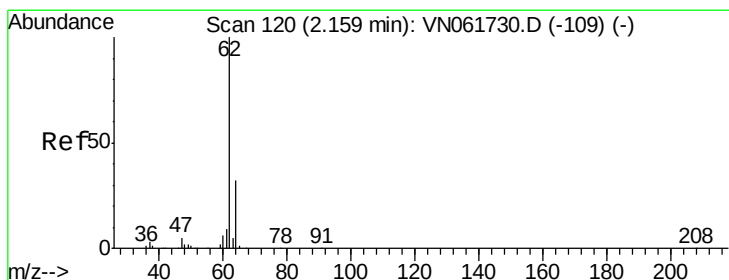
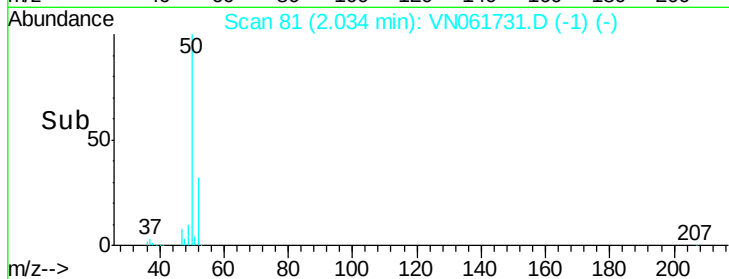
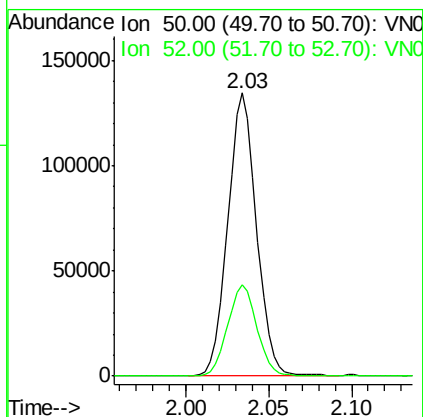
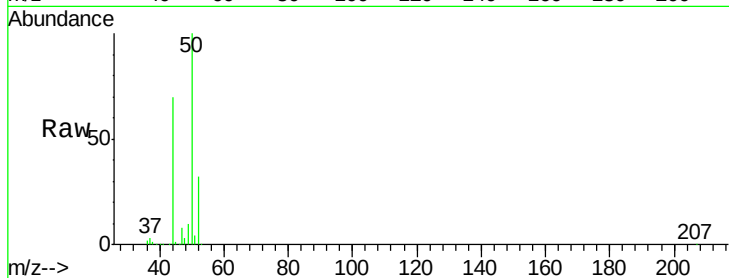
52 32.1 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 34.357 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061731.D

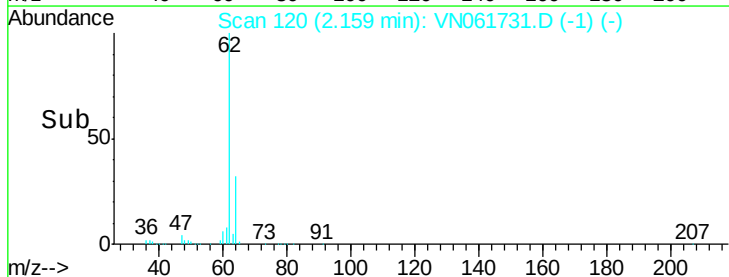
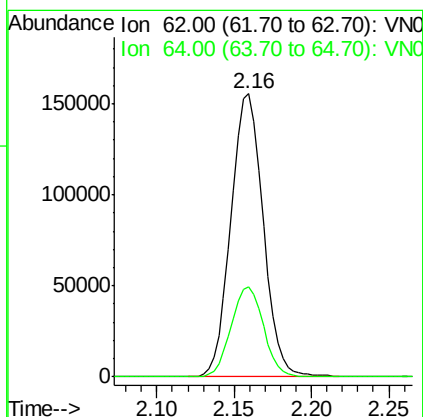
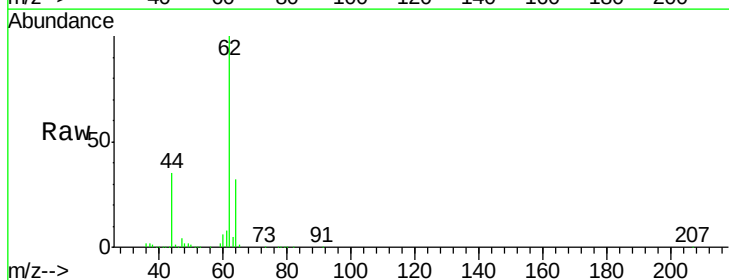
Acq: 10 Jun 2020 11:17

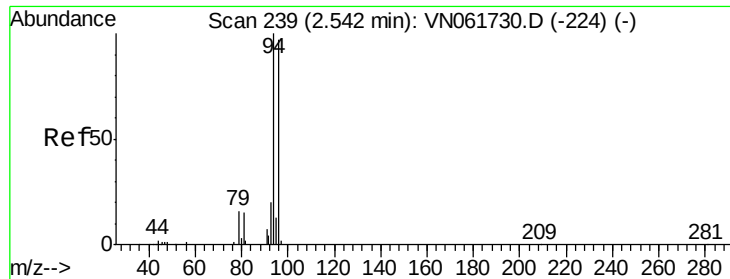
Tgt Ion: 62 Resp: 225071

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 42.001 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 146004

Ion Ratio Lower Upper

94 100

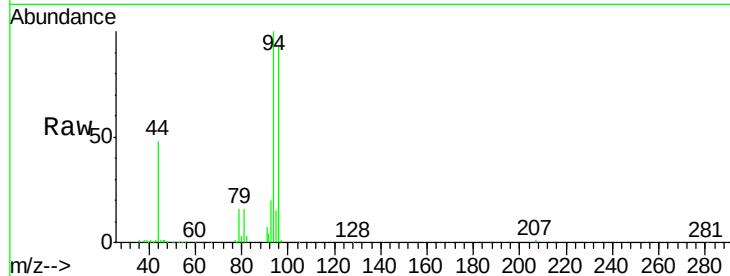
96 93.2 77.4 116.2

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.53

80000

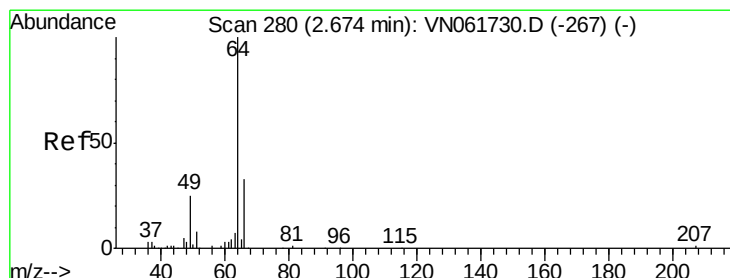
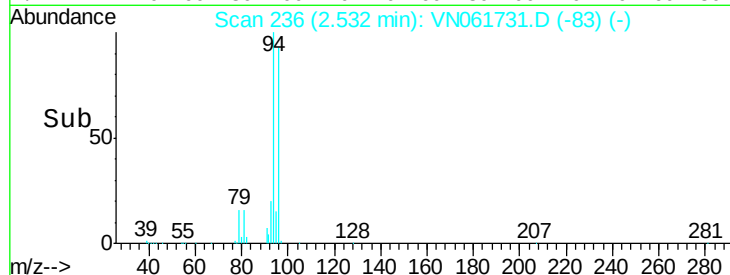
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 34.216 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061731.D

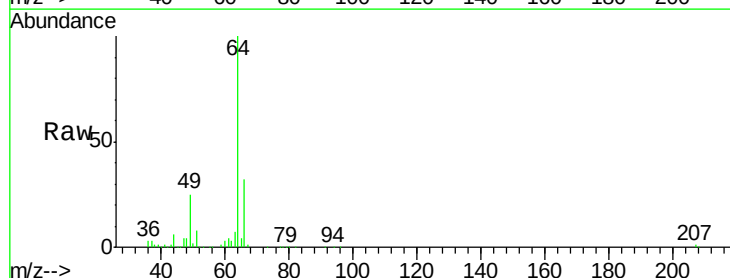
Acq: 10 Jun 2020 11:17

Tgt Ion: 64 Resp: 151691

Ion Ratio Lower Upper

64 100

66 32.0 26.6 39.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.67

80000

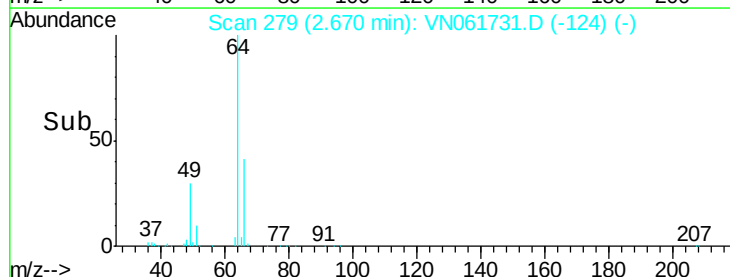
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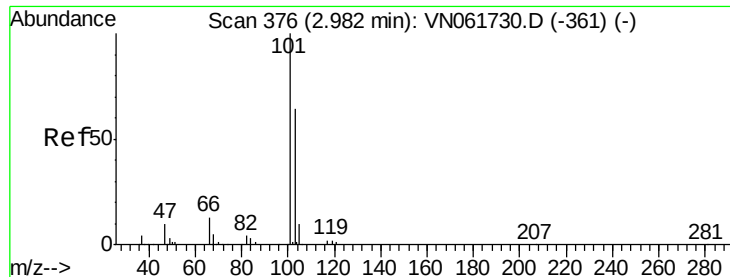
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20000

0

Time-->





#7

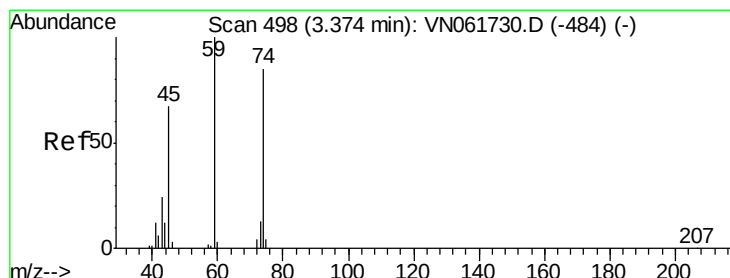
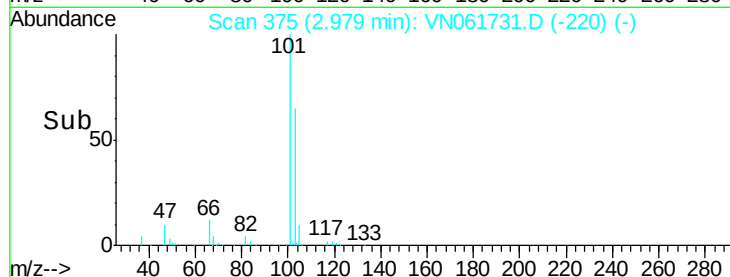
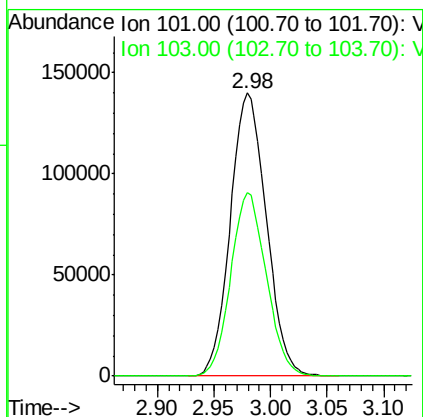
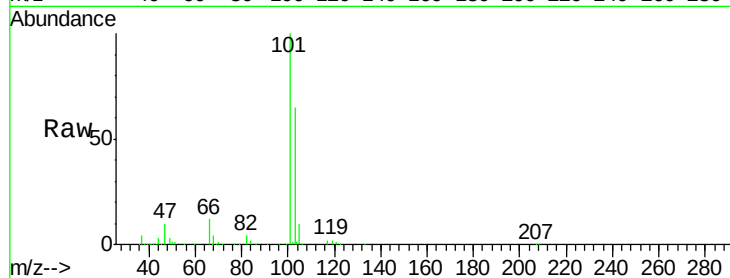
Trichlorofluoromethane
Concen: 41.763 ug/l
RT: 2.98 min Scan# 375
Delta R.T. -0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.1	76.7

Manual Integrations
APPROVED

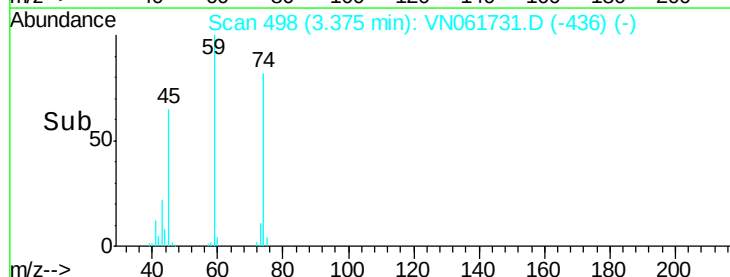
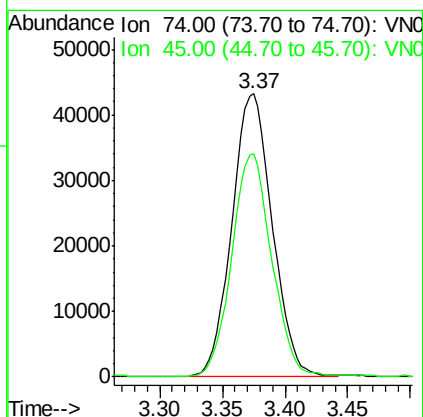
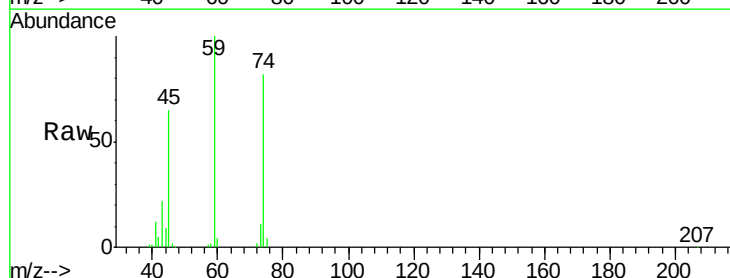
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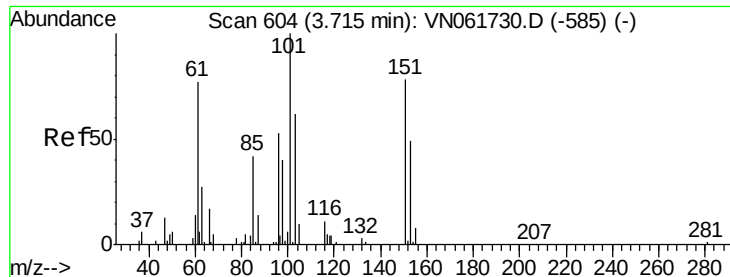


#8

Diethyl Ether
Concen: 41.644 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.9	15.4	138.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.033 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

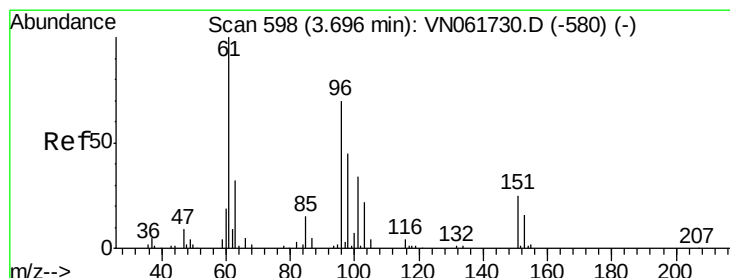
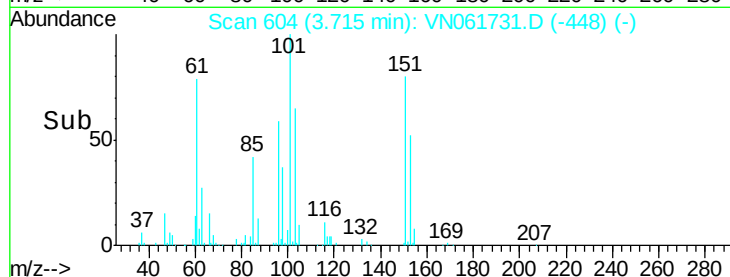
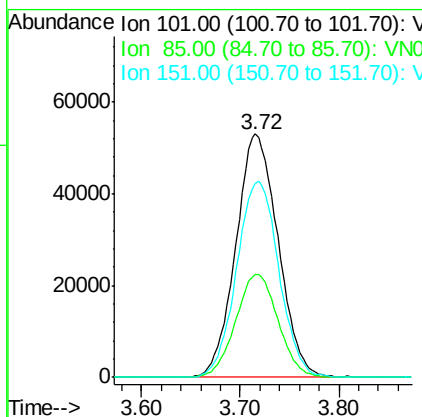
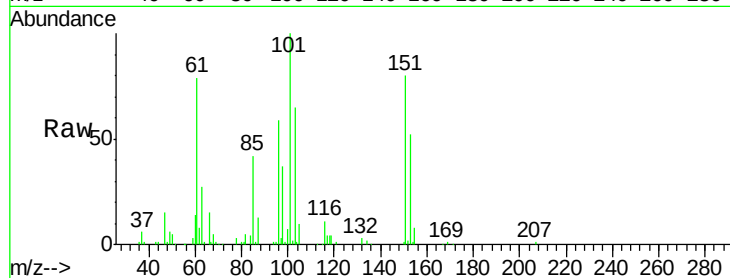
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	157634
Ion Ratio	Lower	Upper	
101	100		
85	42.4	0.0	84.8
151	80.5	0.0	159.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 47.064 ug/l

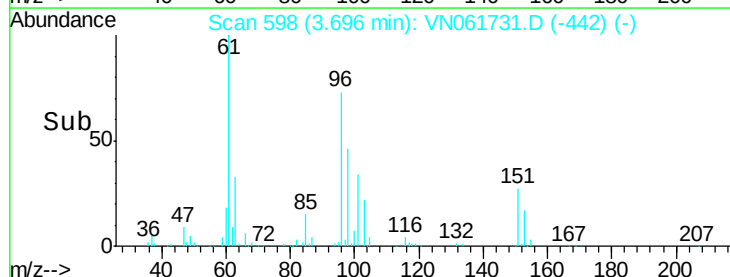
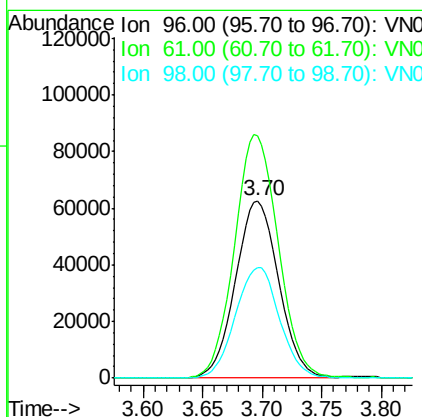
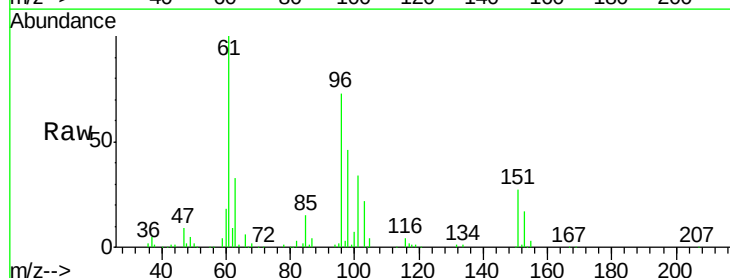
RT: 3.70 min Scan# 598

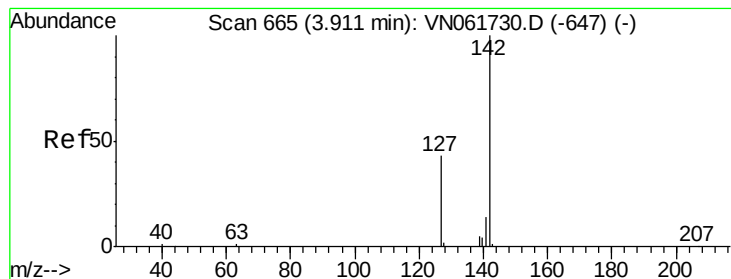
Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion:	96	Resp:	158055
Ion Ratio	Lower	Upper	
96	100		
61	136.3	114.9	172.3
98	62.6	52.2	78.2





#11

Methyl Iodide

Concen: 56.060 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

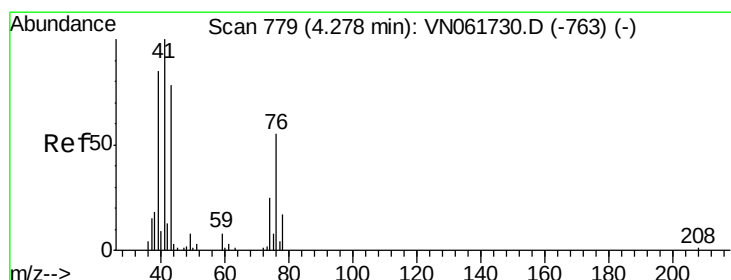
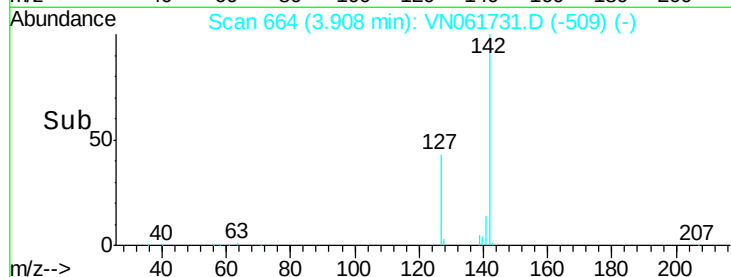
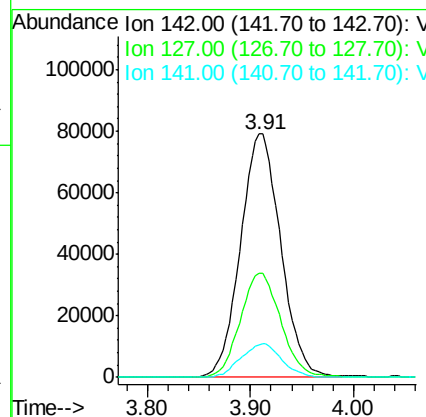
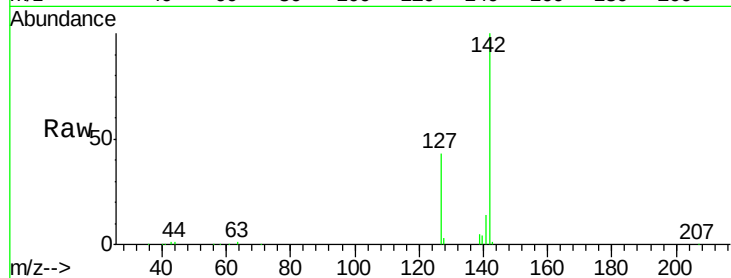
ClientSampleId :

VSTDIC050

Tot Ion:	142	Resp:	214888
Ion Ratio	Lower	Upper	
142	100		
127	42.9	21.6	64.6
141	13.6	7.2	21.6

Manual Integrations
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#12

Methyl Acetate

Concen: 31.967 ug/l

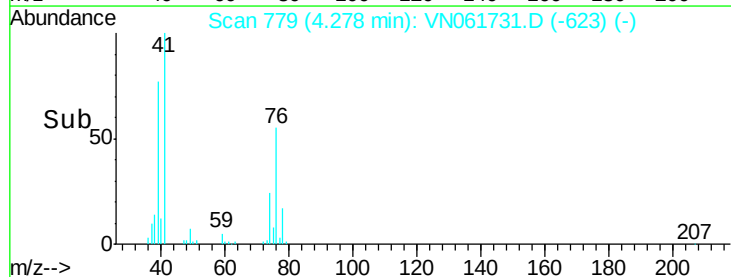
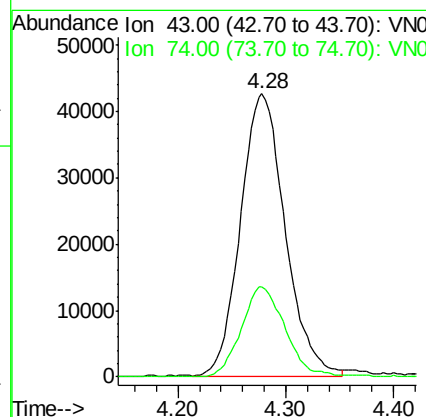
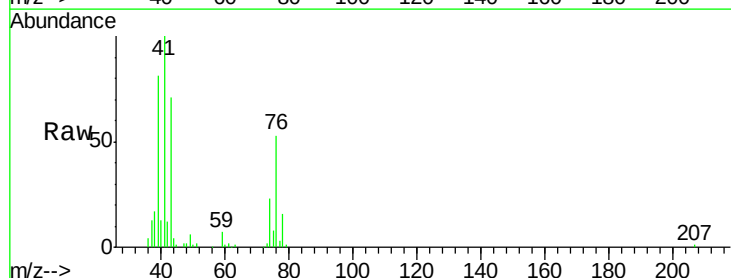
RT: 4.28 min Scan# 779

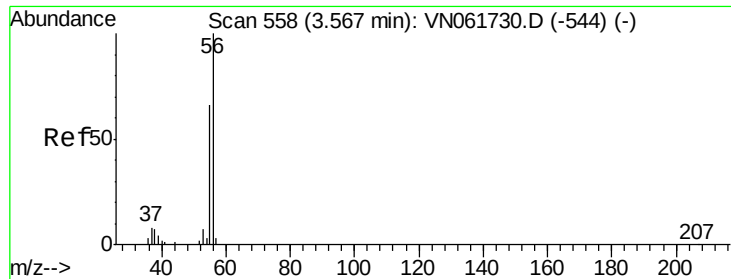
Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion:	43	Resp:	121900
Ion Ratio	Lower	Upper	
43	100		
74	31.9	25.8	38.6





#13

Acrolein

Concen: 145.843 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 91846

Ion Ratio Lower Upper

56 100

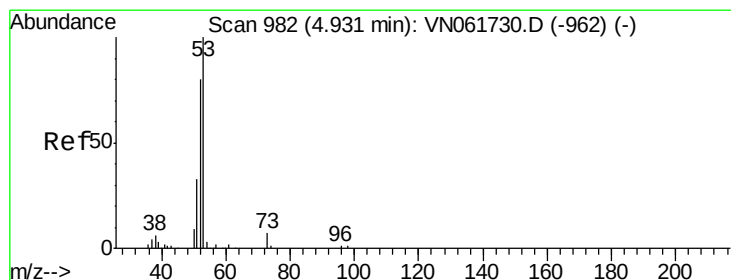
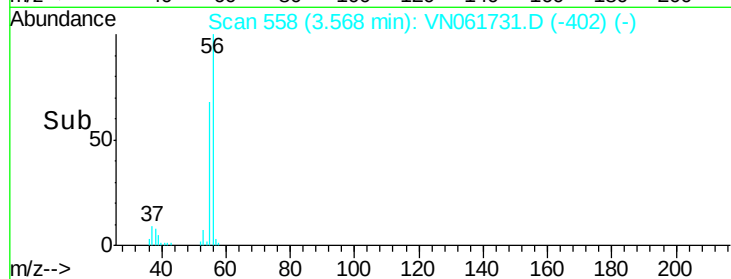
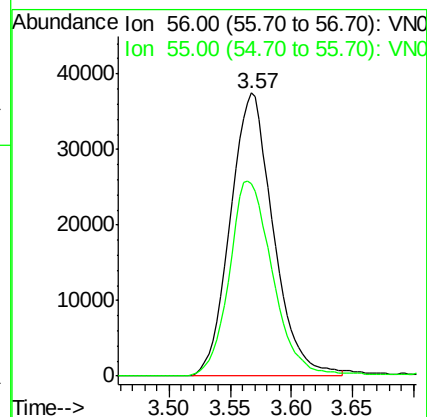
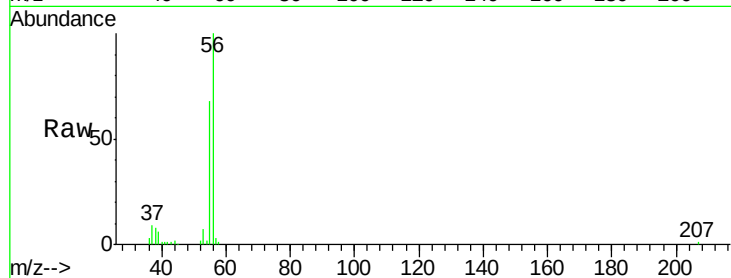
55 69.2 53.9 80.9

Manual Integrations

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#14

Acrylonitrile

Concen: 178.731 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

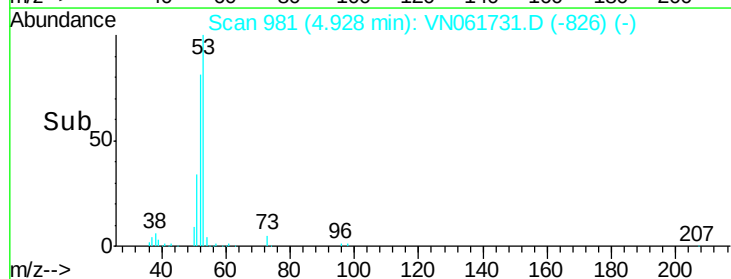
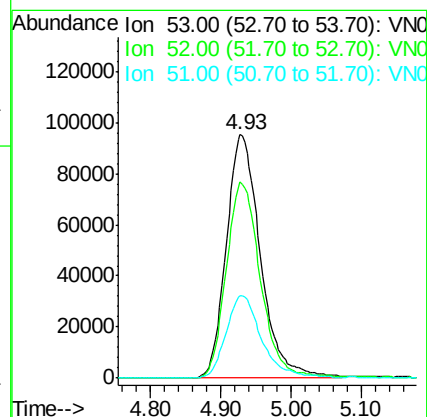
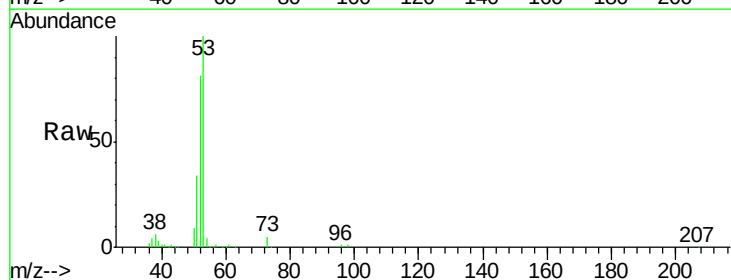
Tgt Ion: 53 Resp: 322214

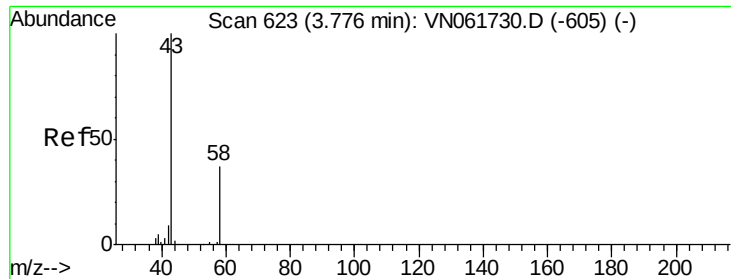
Ion Ratio Lower Upper

53 100

52 80.0 41.3 123.7

51 34.9 8.0 23.8#





#15

Acetone

Concen: 206.780 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 58 Resp: 93132

Ion Ratio Lower Upper

58 100

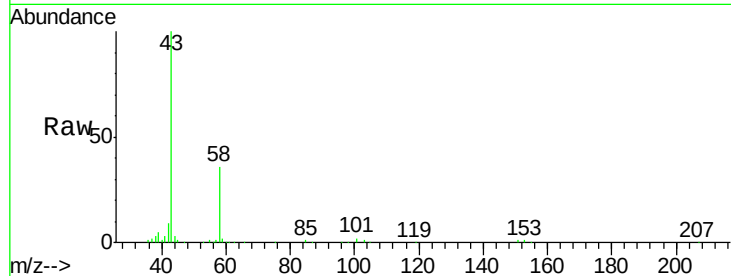
43 279.2 213.7 320.5

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN061731.D (-605) (-)

Ion 43.00 (42.70 to 43.70): VN061731.D (-605) (-)

100000

80000

60000

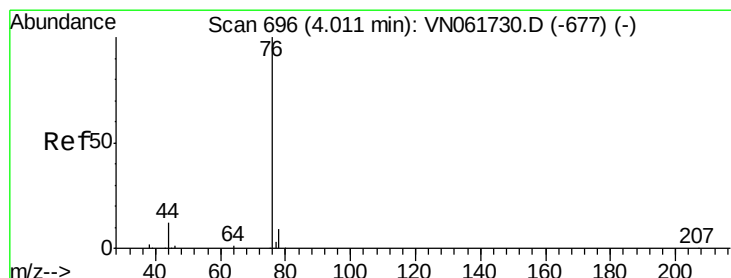
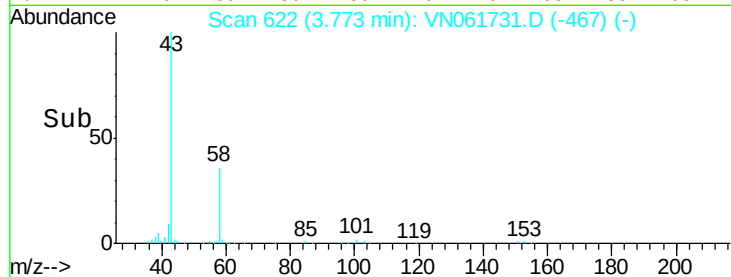
40000

20000

0

3.70 3.75 3.80 3.85

Time-->



#16

Carbon Disulfide

Concen: 37.909 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061731.D

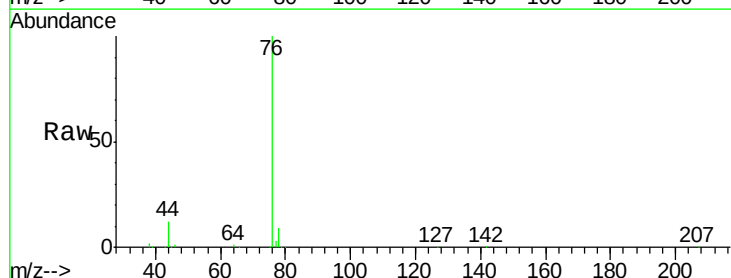
Acq: 10 Jun 2020 11:17

Tgt Ion: 76 Resp: 342201

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VN061731.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN061731.D (-677) (-)

150000

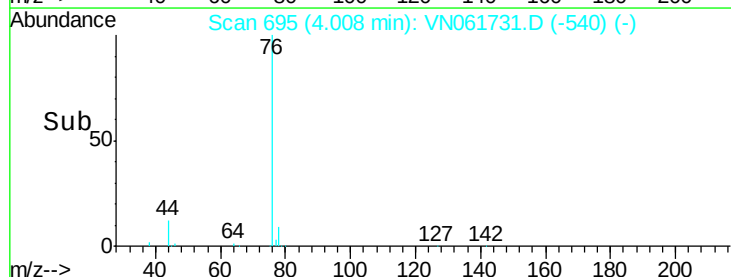
100000

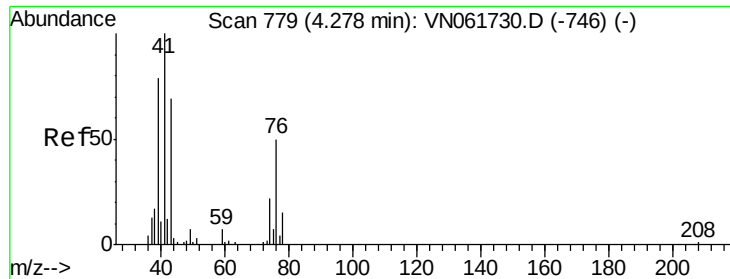
50000

0

3.90 4.00 4.10

Time-->





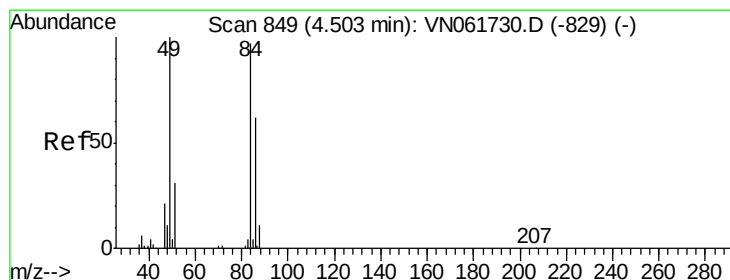
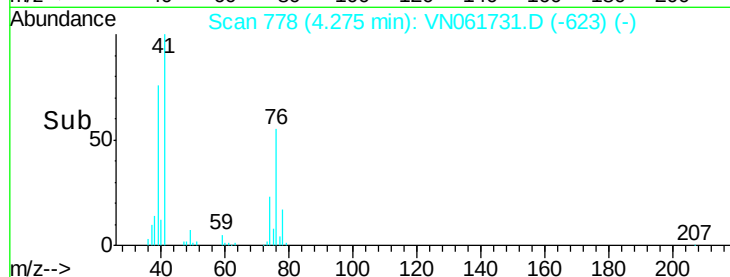
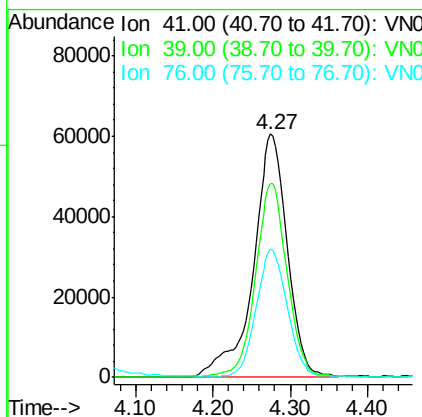
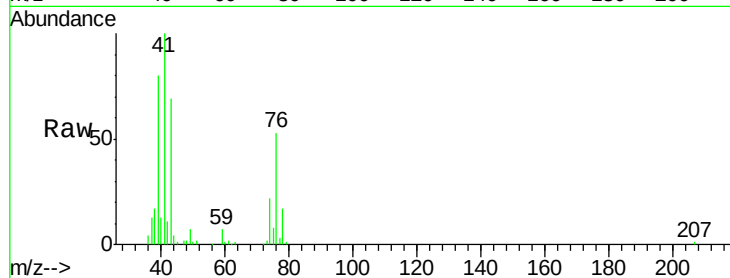
#17
Allvl chloride
Concen: 29.791 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	185954		
39	79.7		39.5	118.5
76	52.4		24.9	74.7

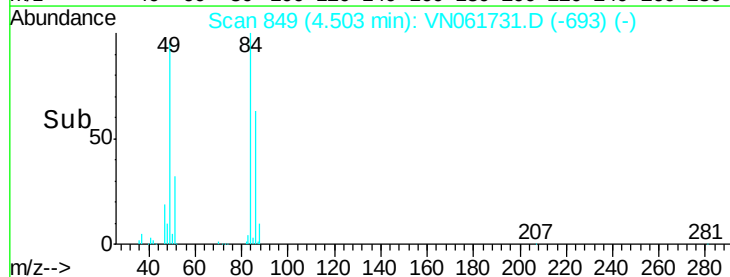
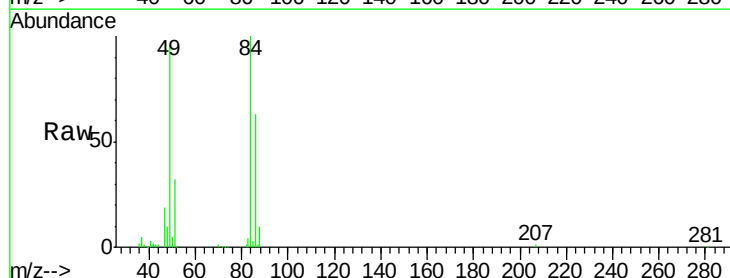
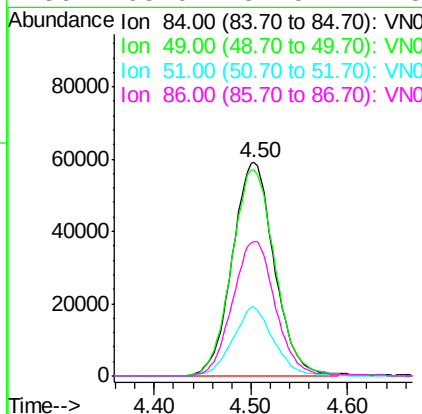
Manual Integrations
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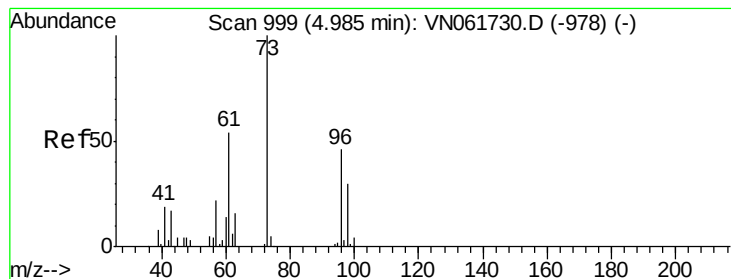
MMDadoda
6/11/2020 12:44:30 PM



#18
Methylene Chloride
Concen: 44.031 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	177988		
49	95.9		82.6	124.0
51	32.2		25.4	38.0
86	63.0		51.5	77.3





#19

trans-1,2-Dichloroethene

Concen: 44.577 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

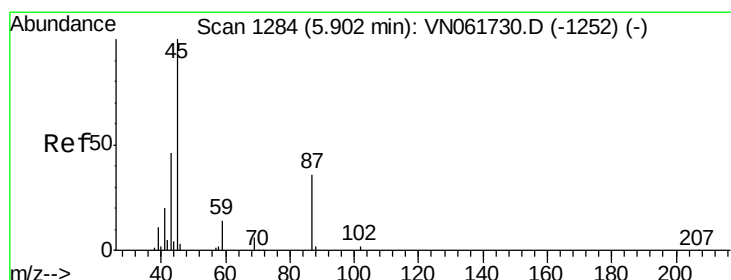
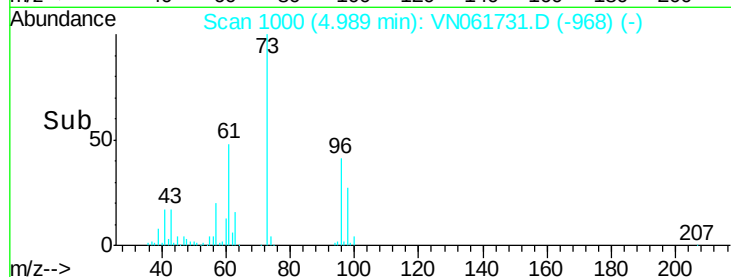
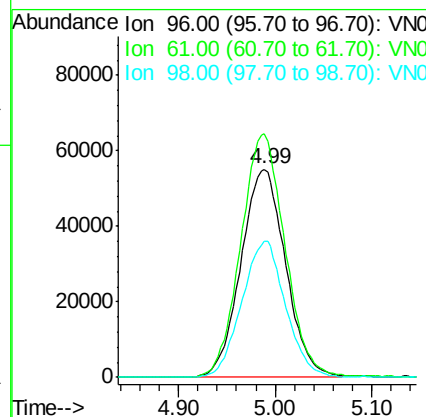
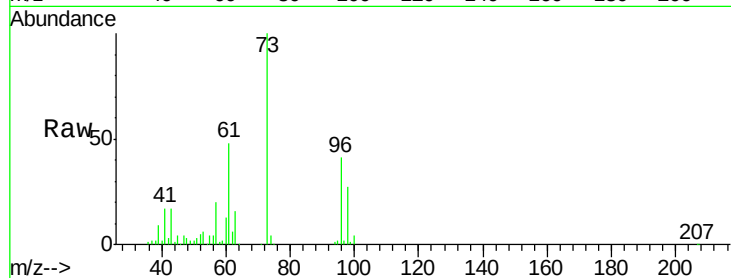
ClientSampled :

VSTDIC050

Tot Ion:	96	Resp:	176932
Ion	Ratio	Lower	Upper
96	100		
61	116.8	95.4	143.0
98	65.5	52.6	79.0

Manual Integrations
APPROVED

MMDadoda
6/11/2020 12:44:30 PM



#20

Diisopropyl ether

Concen: 28.984 ug/l

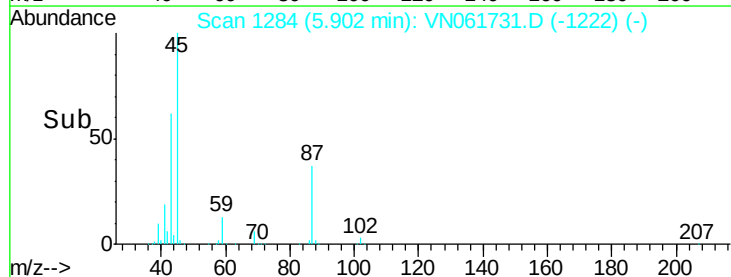
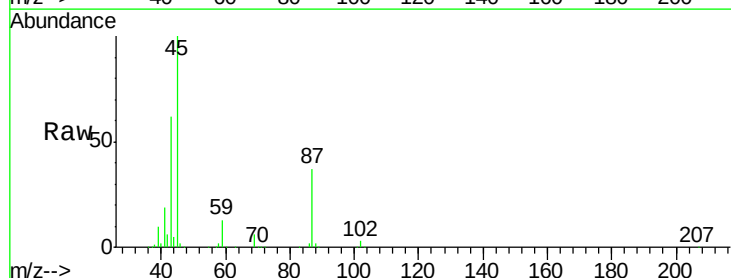
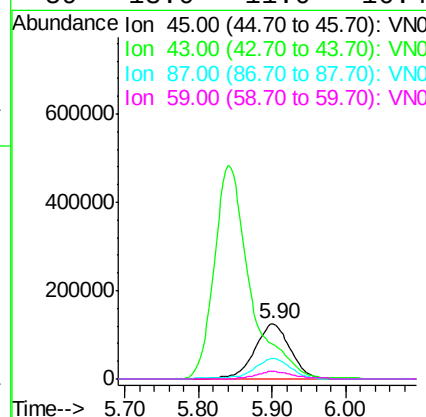
RT: 5.90 min Scan# 1284

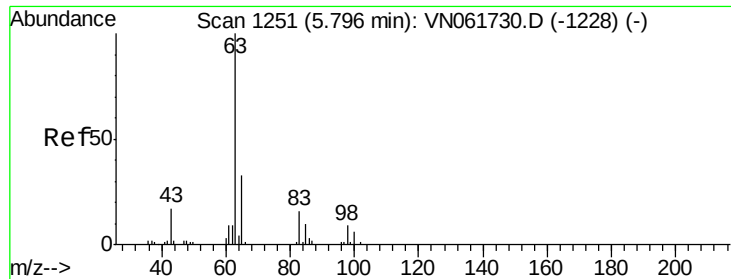
Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion:	45	Resp:	419911
Ion	Ratio	Lower	Upper
45	100		
43	60.3	50.7	76.1
87	37.0	30.1	45.1
59	13.0	11.0	16.4





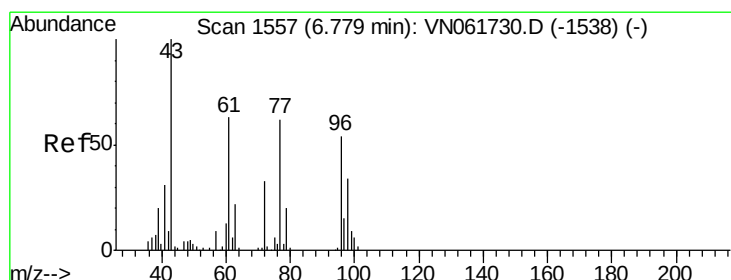
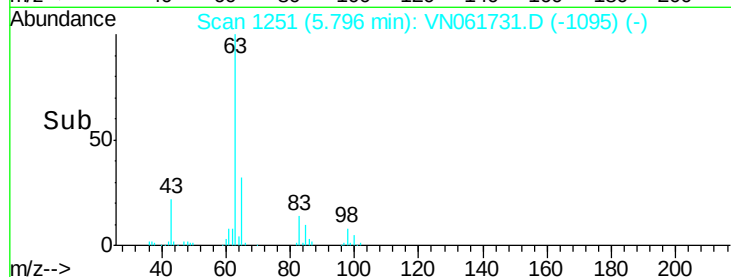
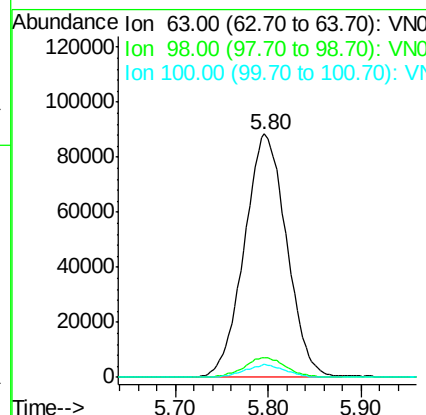
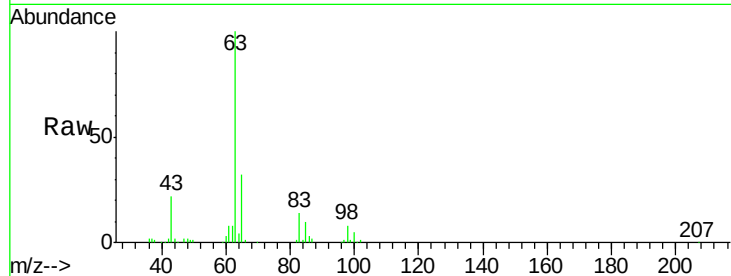
#21
 1,1-Dichloroethane
 Concen: 35.950 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	8.2	4.5	13.7
100	5.2	2.9	8.7

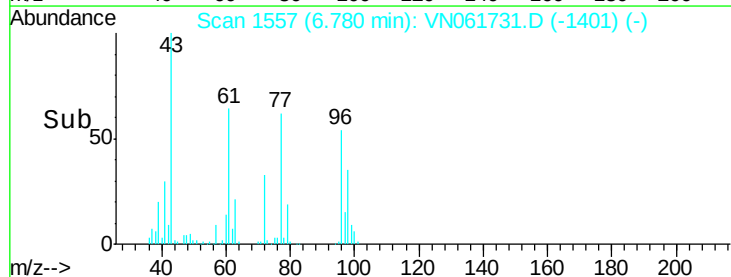
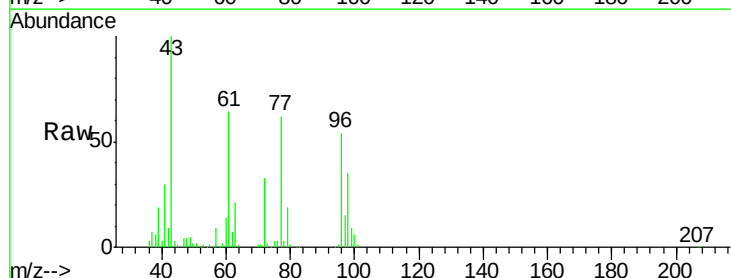
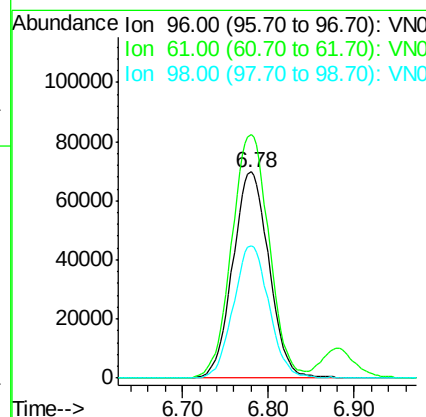
Manual Integrations
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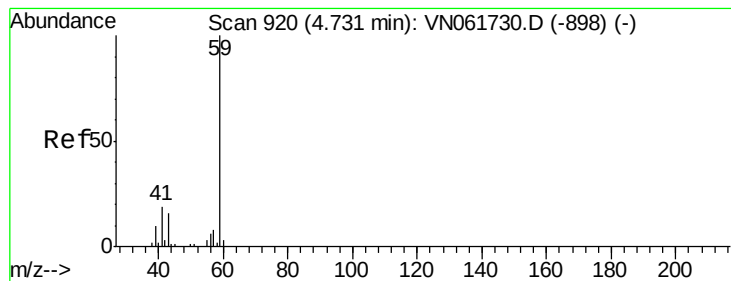
MMDadoda
 6/11/2020 12:44:30 PM



#22
 cis-1,2-Dichloroethene
 Concen: 44.379 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	122.0	100.6	151.0
98	63.3	52.6	79.0





#23

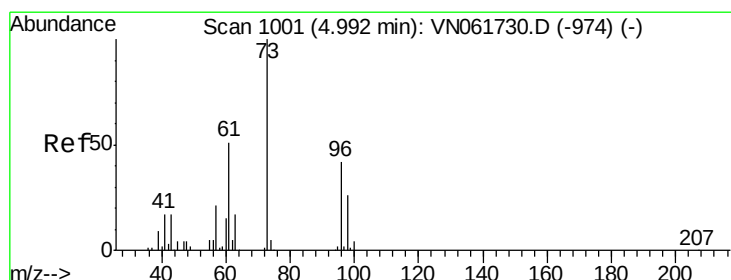
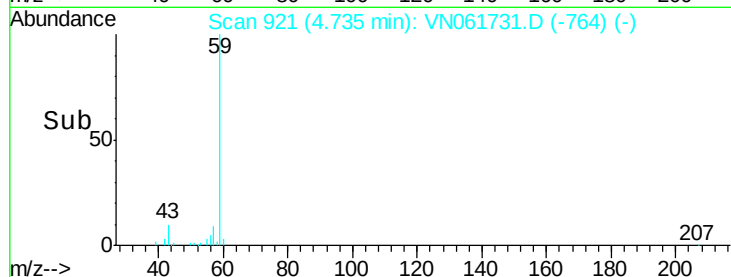
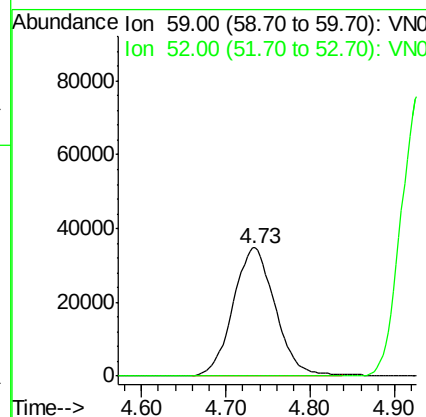
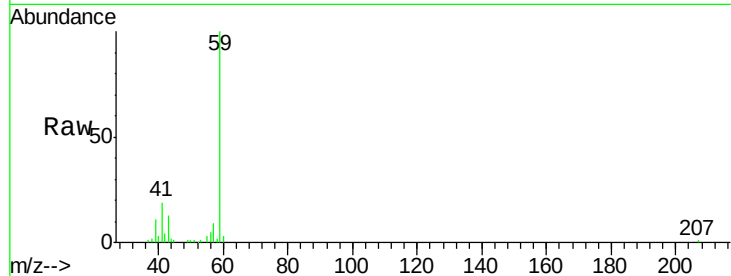
tert-Butyl Alcohol
Concen: 205.883 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		121142		
52	0.1		0.0	0.0	0.0#

Manual Integrations
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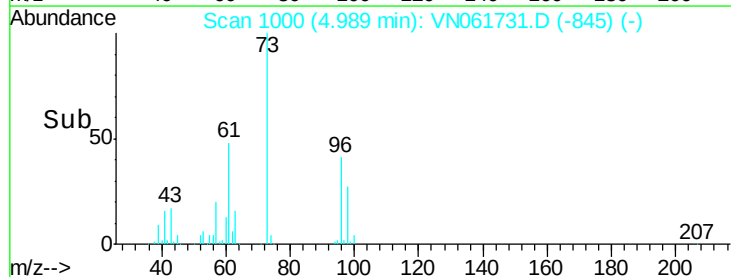
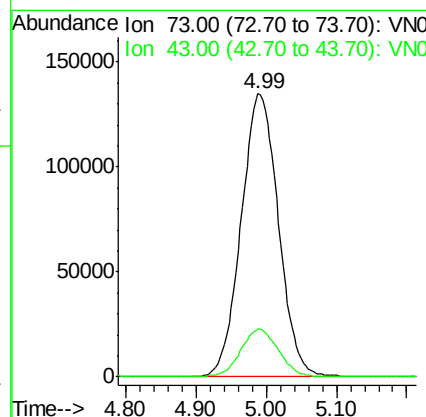
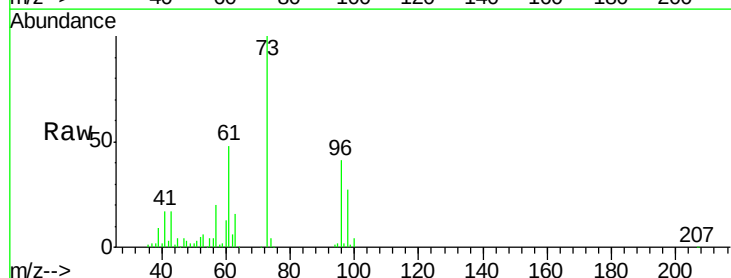
MMDadoda
6/11/2020 12:44:30 PM

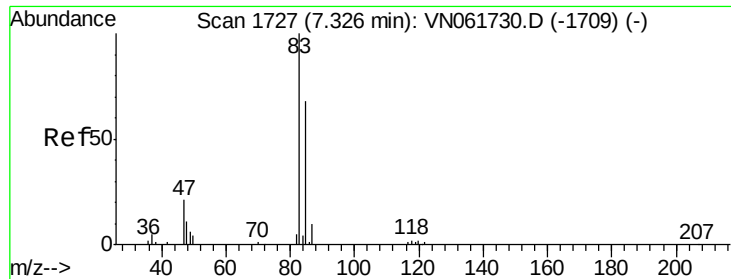


#24

Methyl tert-Butyl Ether
Concen: 38.086 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		496693		
43	16.7		7.0	10.4	#





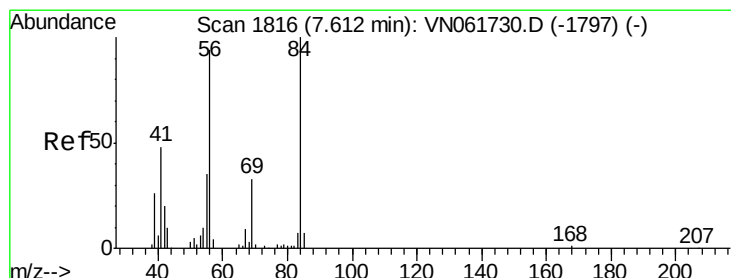
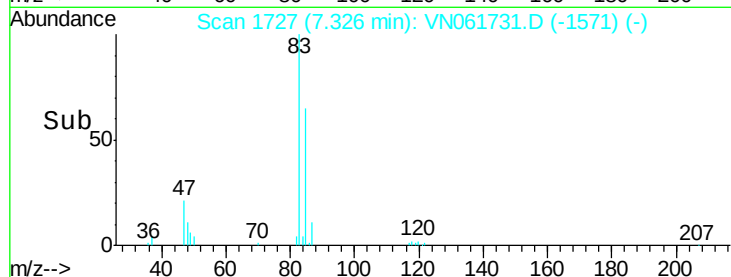
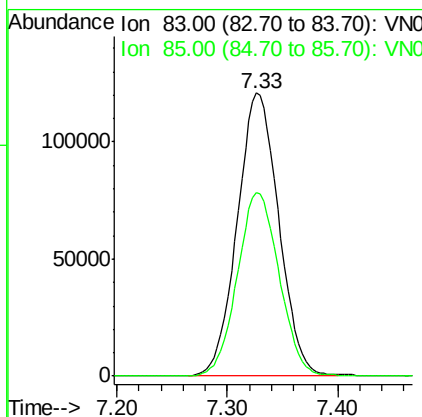
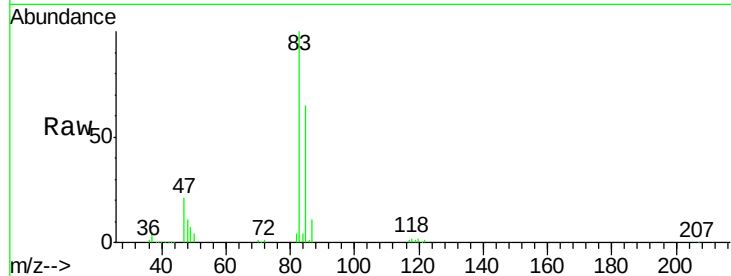
#25
Chloroform
Concen: 40.822 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	83	Resp	315639
Ion Ratio	100	Lower	Upper
85	65.0	54.2	81.4

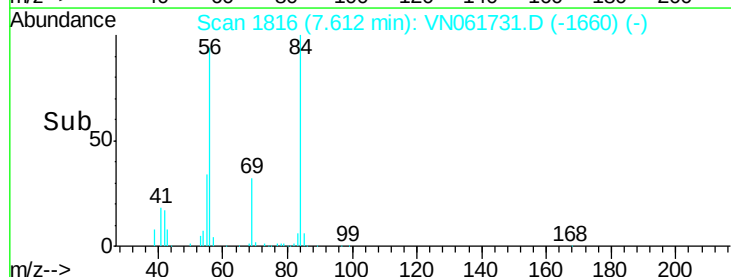
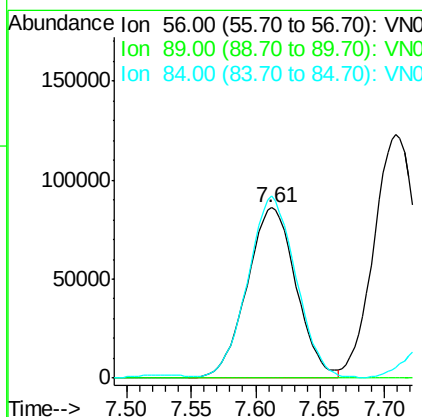
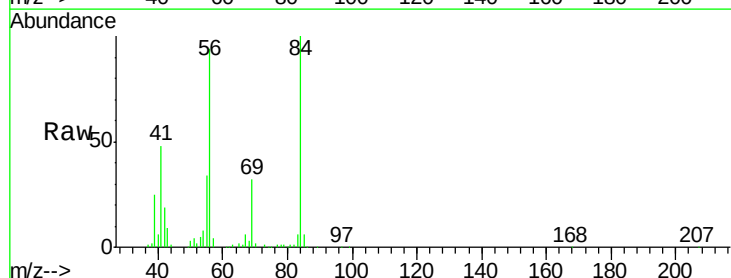
Manual Integrations
APPROVED

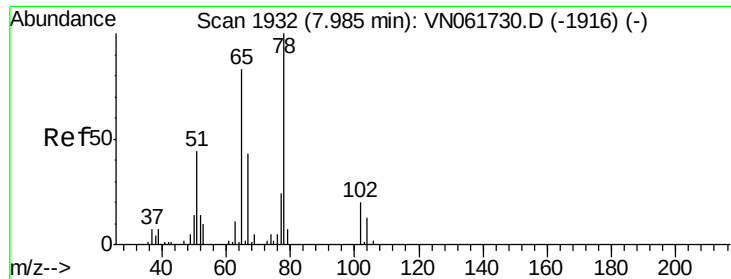
MMDadoda
6/11/2020 12:44:30 PM



#26
Cyclohexane
Concen: 31.475 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	56	Resp	228401
Ion Ratio	100	Lower	Upper
89	0.1	0.0	0.0#
84	105.1	83.5	125.3





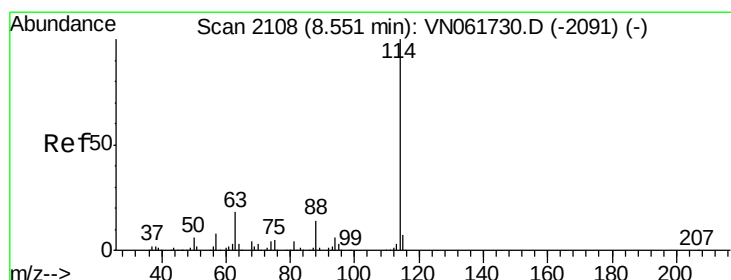
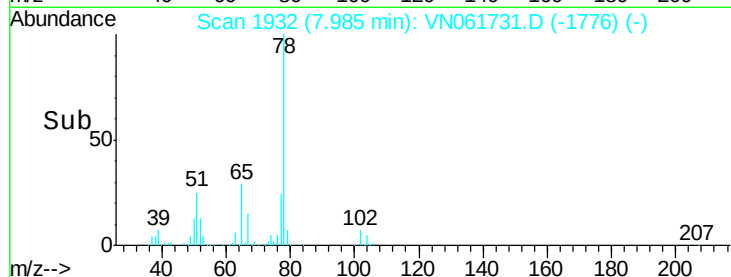
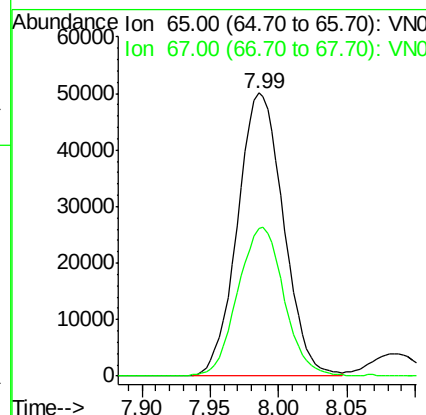
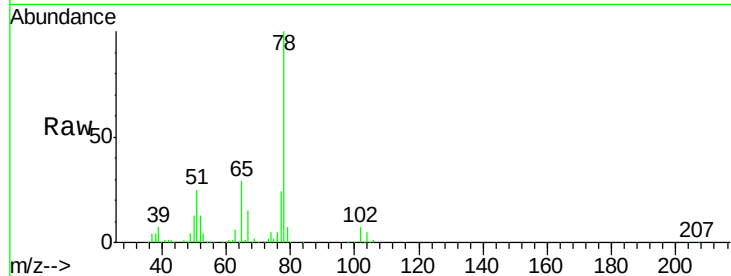
#27
 1,2-Dichloroethane-d4
 Concen: 21.845 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 65 Resp: 117498
 Ion Ratio Lower Upper
 65 100
 67 52.8 42.2 63.4

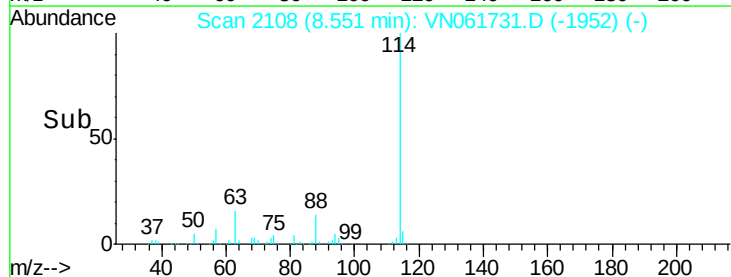
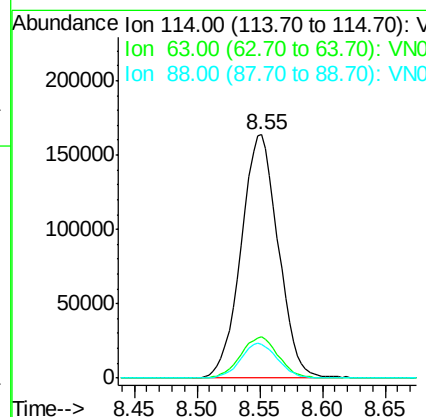
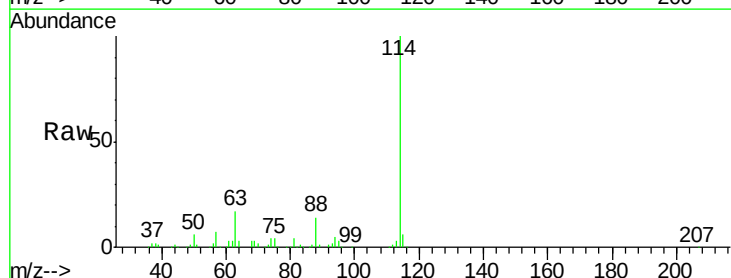
Manual Integrations
 APPROVED

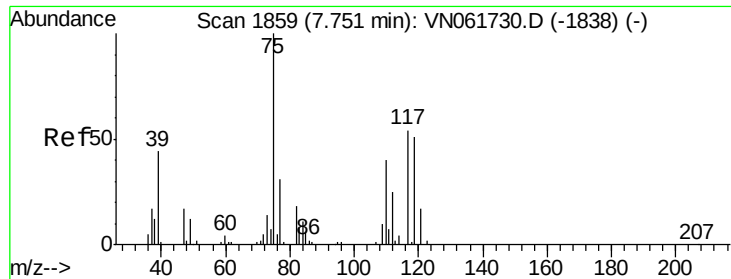
MMDadoda
 6/11/2020 12:44:30 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion: 114 Resp: 336568
 Ion Ratio Lower Upper
 114 100
 63 17.2 14.2 21.2
 88 14.1 11.4 17.2





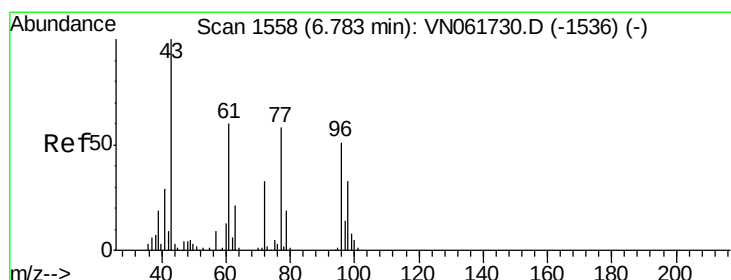
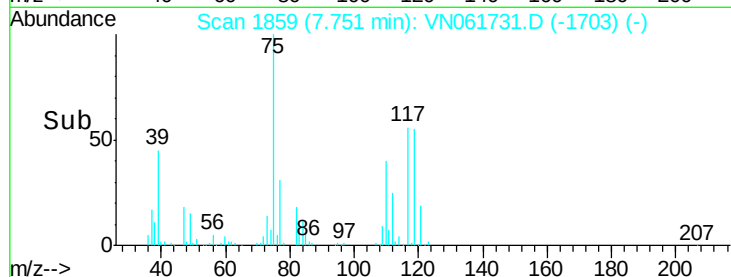
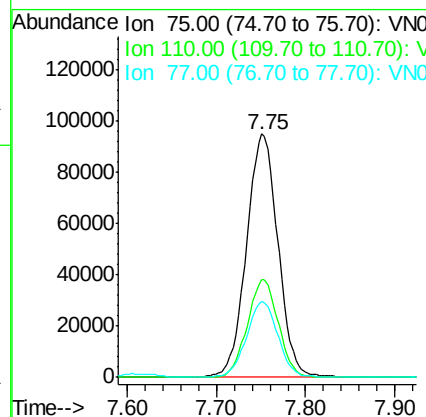
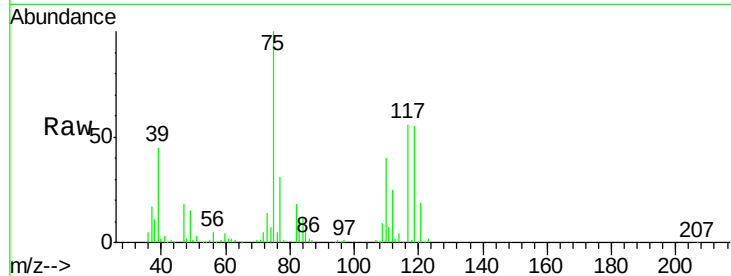
#29
 1,1-Dichloropropene
 Concen: 41.639 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	39.4	0.0	78.6
77	31.4	0.0	62.4

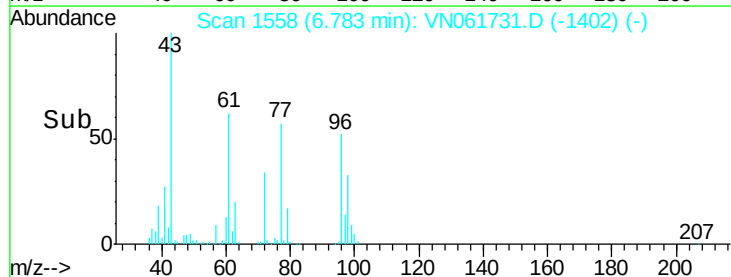
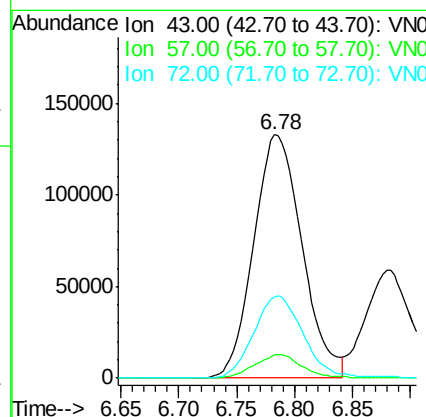
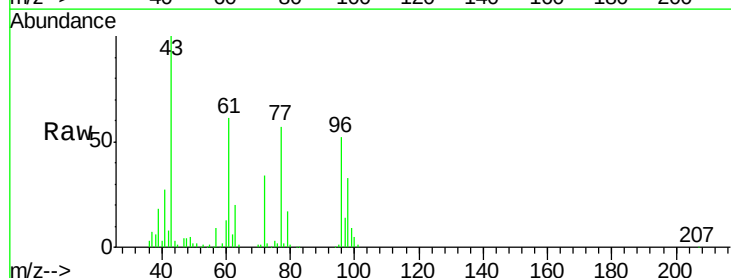
Manual Integrations
 APPROVED

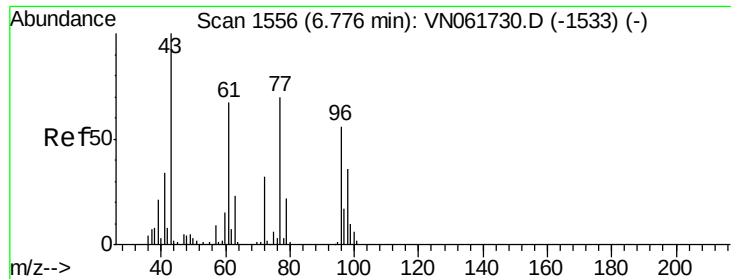
MMDadoda
 6/11/2020 12:44:30 PM



#30
 2-Butanone
 Concen: 168.974 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.4	7.6	11.4
72	34.4	27.8	41.6





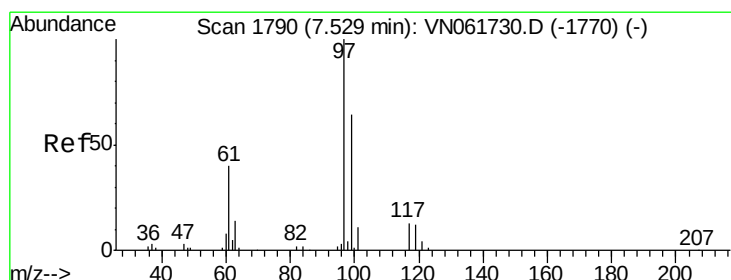
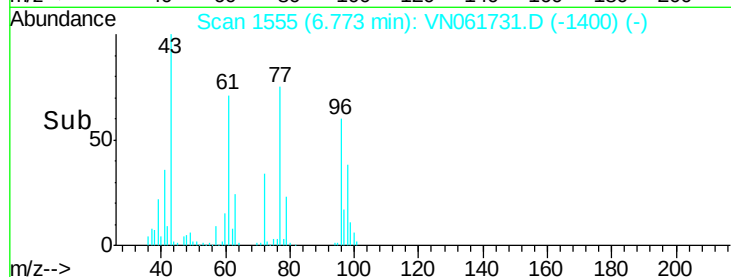
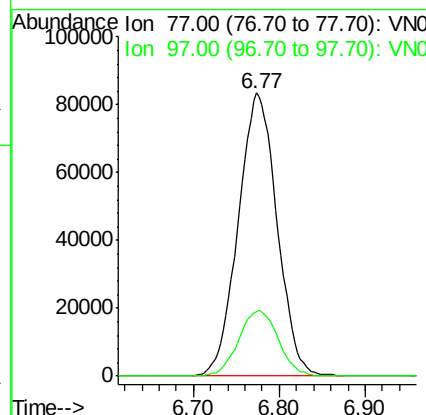
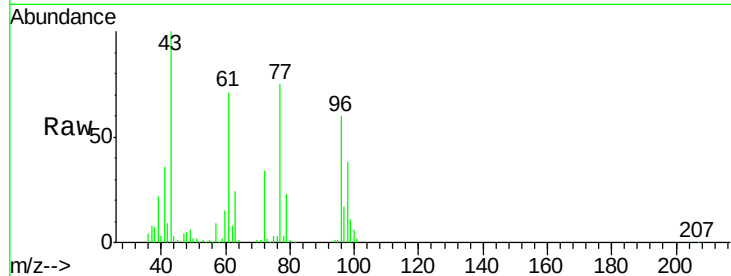
#31
 2,2-Dichloropropane
 Concen: 40.133 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
77	100	261737		
97	23.8	19.6	29.4	

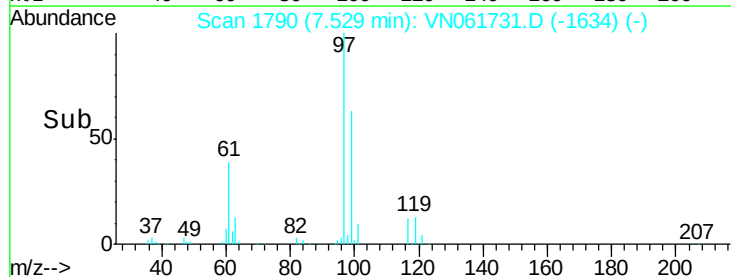
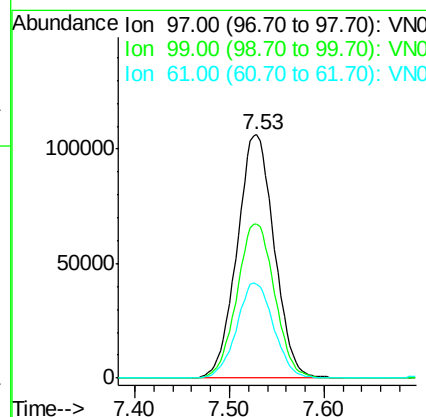
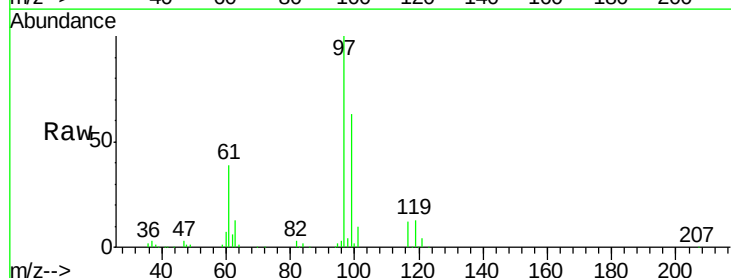
Manual Integrations
 APPROVED

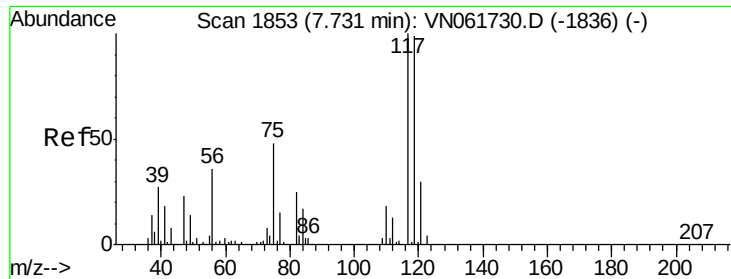
MMDadoda
 6/11/2020 12:44:30 PM



#32
 1,1,1-Trichloroethane
 Concen: 45.445 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	289804		
99	64.2	51.9	77.9	
61	38.9	32.3	48.5	





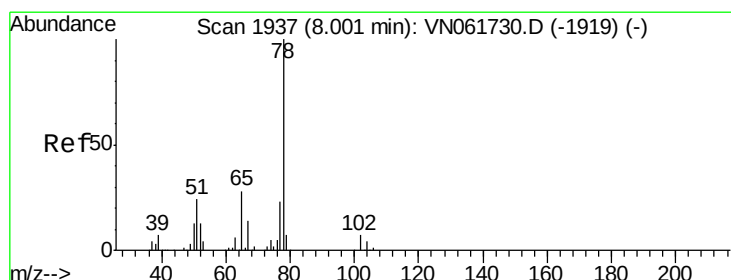
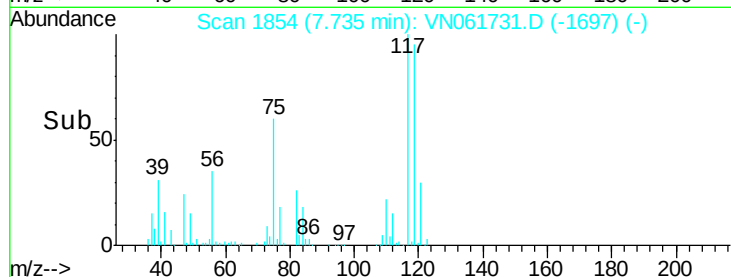
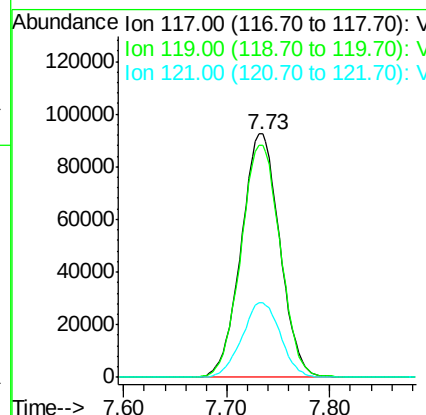
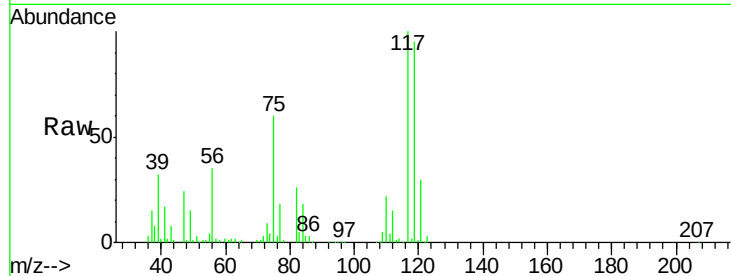
#33
Carbon Tetrachloride
Concen: 48.566 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.2	79.3	118.9
121	30.5	24.2	36.4

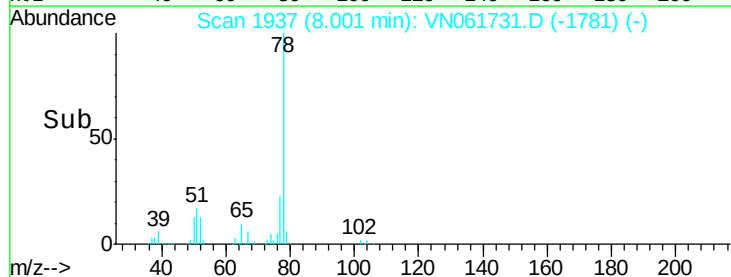
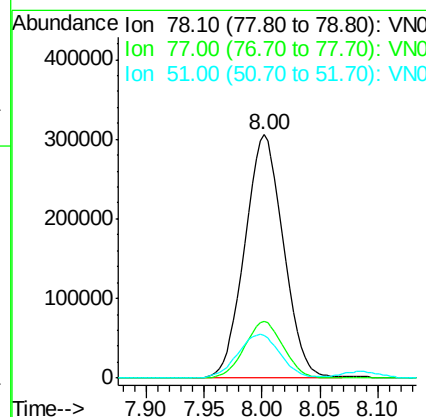
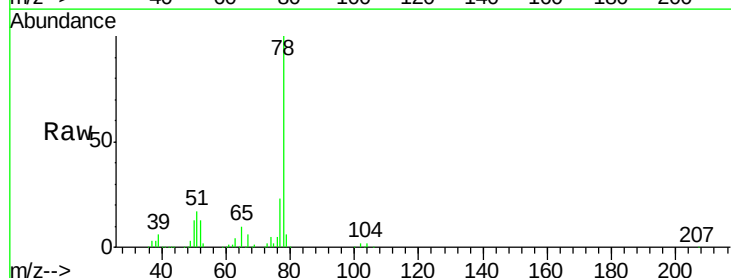
Manual Integrations
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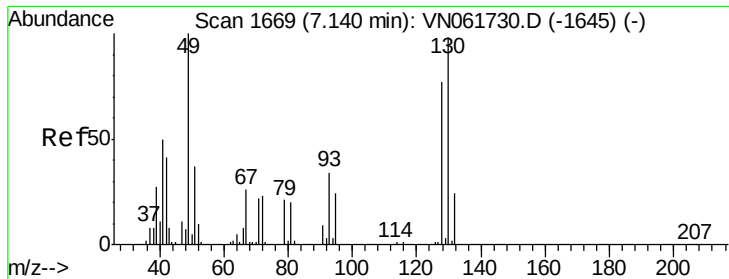
MMDadoda
6/11/2020 12:44:30 PM



#34
Benzene
Concen: 44.541 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.4	27.6
51	17.3	19.1	28.7#





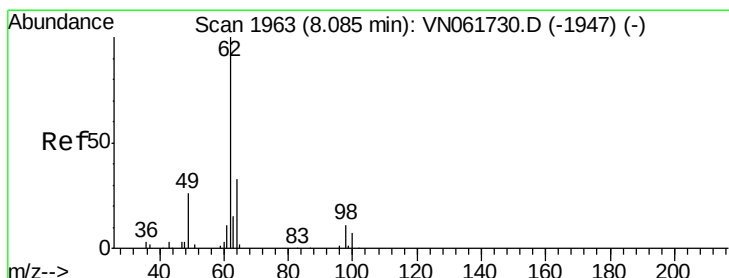
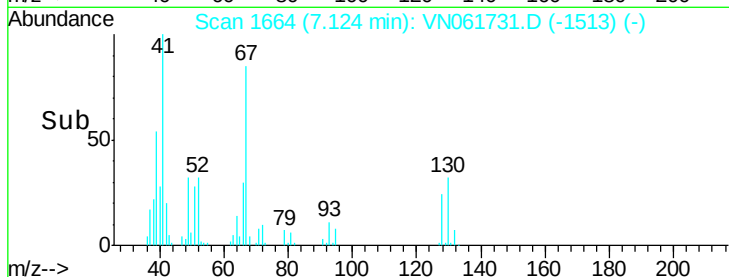
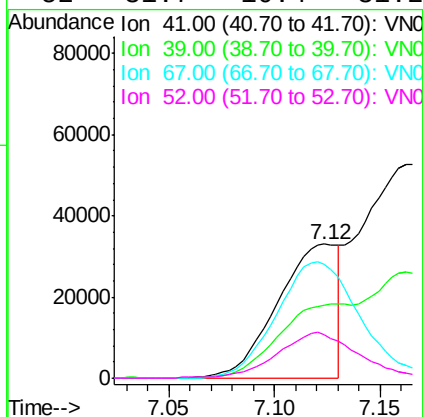
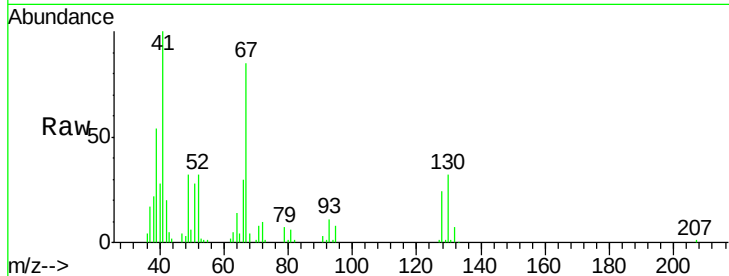
#35
Methacrylonitrile
Concen: 30.079 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.02 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	26.5	79.5
67	84.7	25.4	76.2#
52	31.7	10.4	31.2#

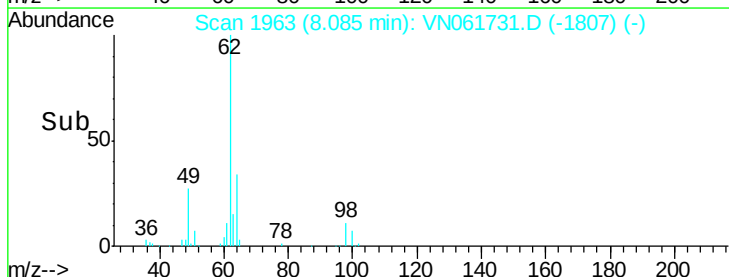
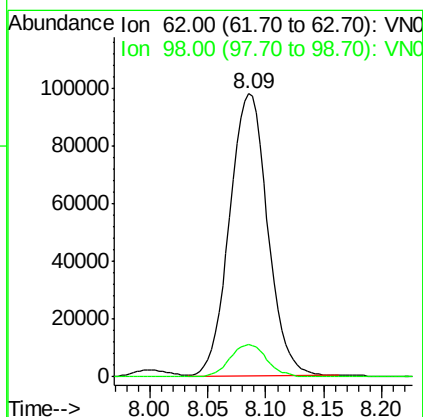
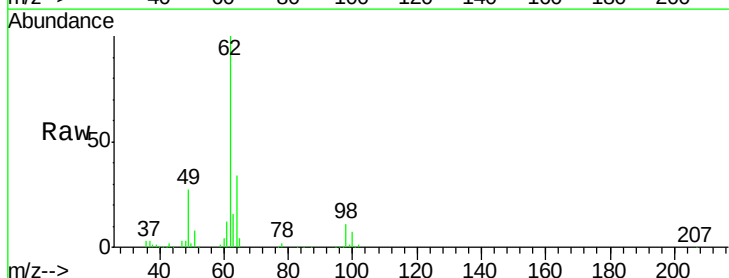
Manual Integrations
APPROVED

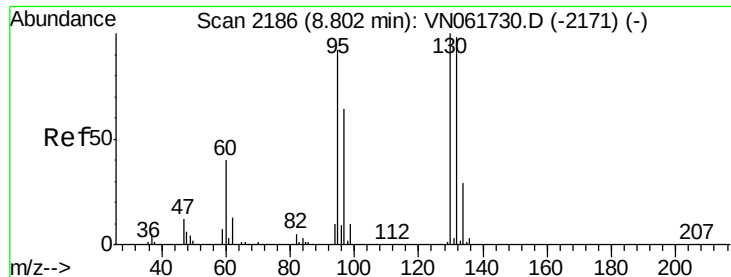
MMDadoda
6/11/2020 12:44:30 PM



#36
1,2-Dichloroethane
Concen: 37.670 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.3	9.4	14.2





#37

Trichloroethene

Concen: 53.026 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:130 Resp: 218278

Ion Ratio Lower Upper

130 100

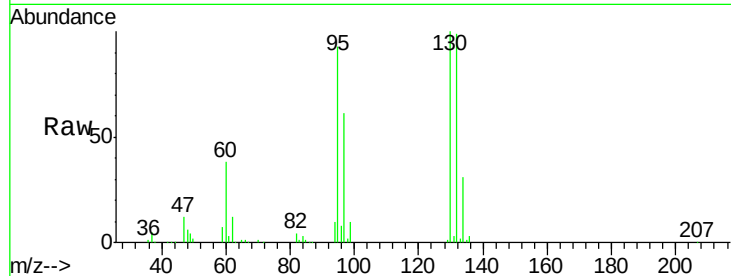
95 92.9 73.9 110.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

100000

80000

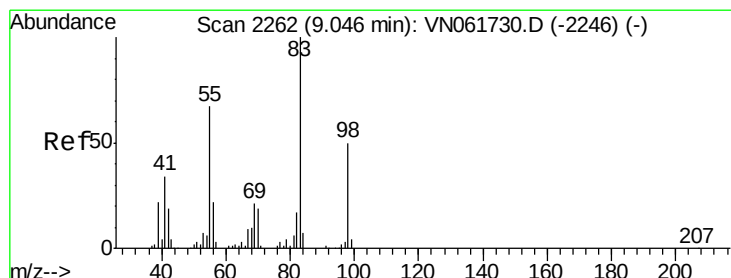
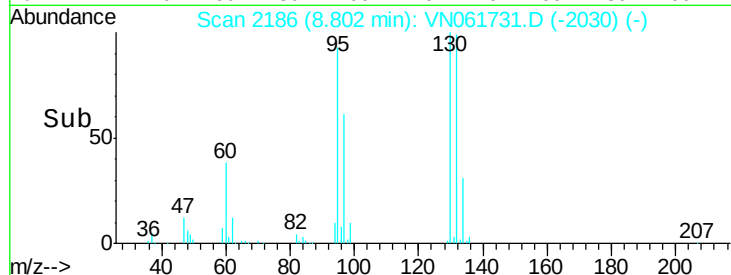
60000

40000

20000

0

Time--> 8.70 8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 40.620 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

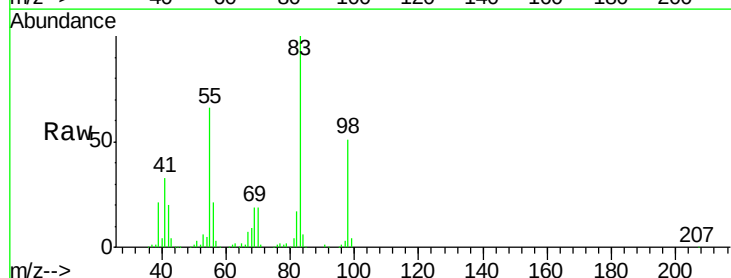
Tgt Ion: 83 Resp: 269187

Ion Ratio Lower Upper

83 100

55 64.9 32.7 98.1

98 50.6 25.4 76.4



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

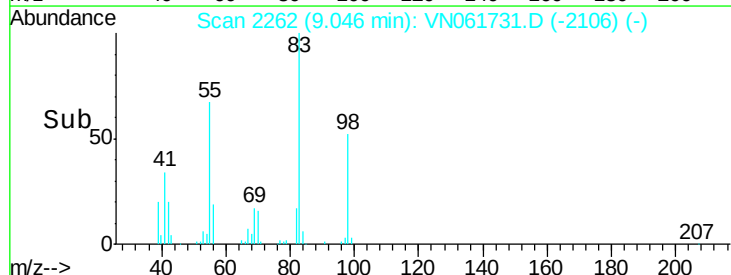
150000

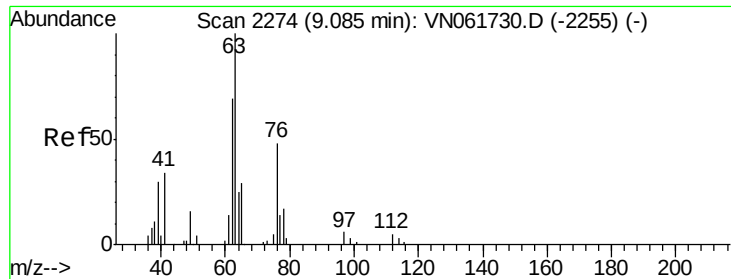
100000

50000

0

Time--> 8.95 9.00 9.05 9.10 9.15





#39

1,2-Dichloropropane

Concen: 38.882 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 63 Resp: 166186

Ion Ratio Lower Upper

63 100

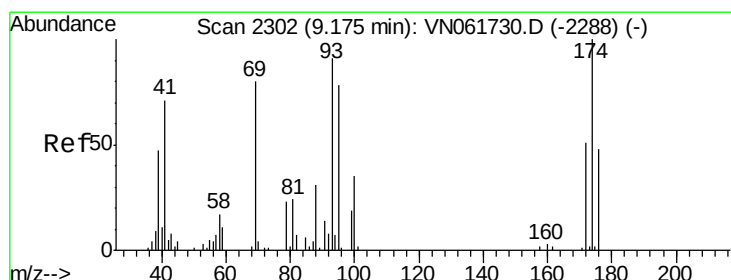
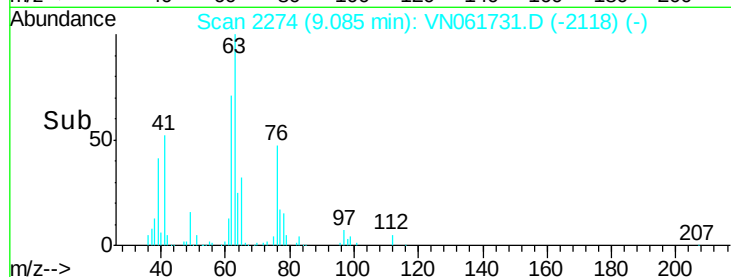
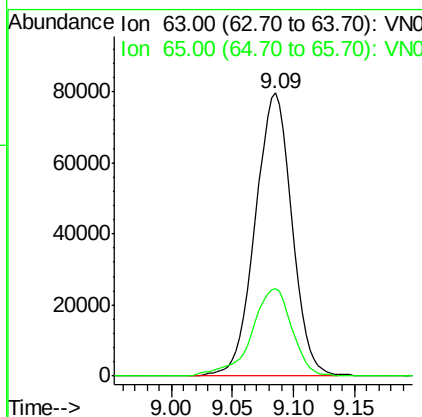
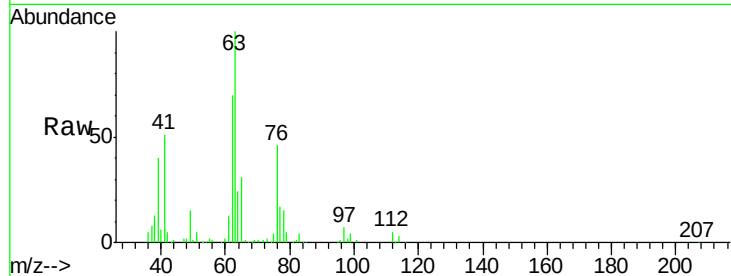
65 31.0 24.3 36.5

Manual Integrations

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#40

Dibromomethane

Concen: 46.202 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

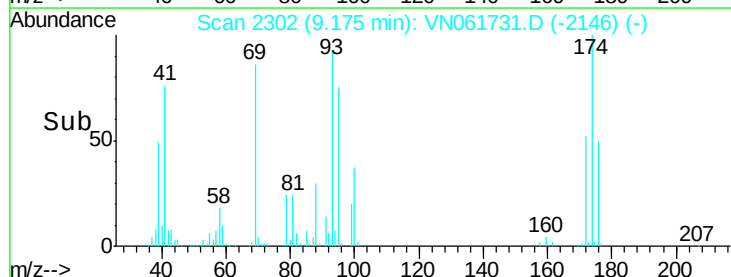
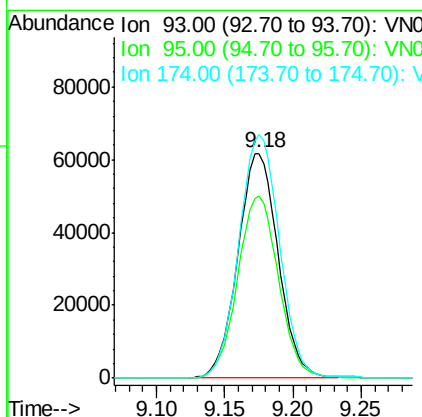
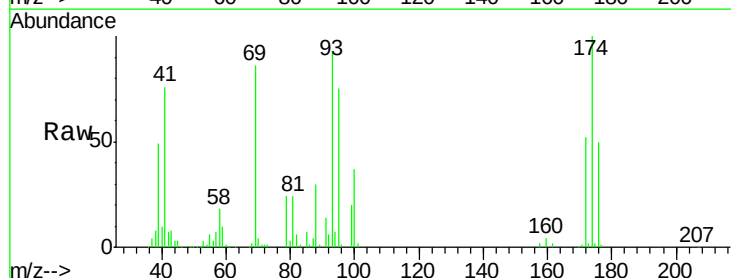
Tgt Ion: 93 Resp: 126926

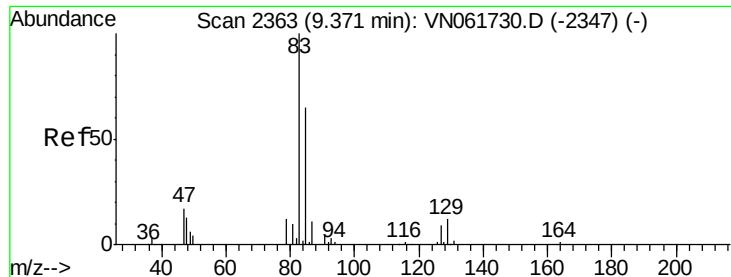
Ion Ratio Lower Upper

93 100

95 82.0 0.0 165.8

174 109.1 0.0 217.8





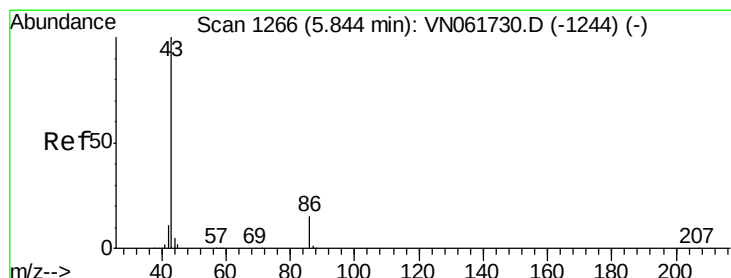
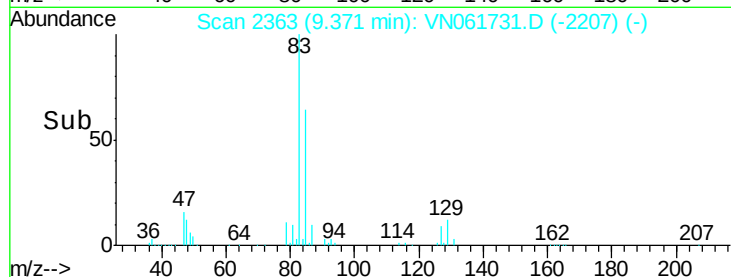
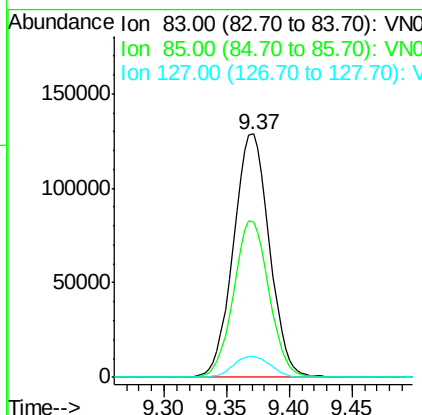
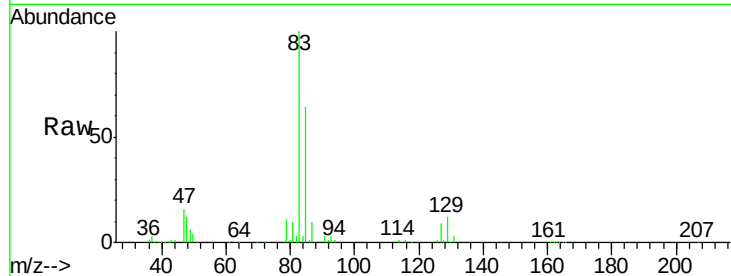
#41
Bromodichloromethane
Concen: 43.706 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	256372
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	52.2	78.4
127	8.7	7.2	10.8

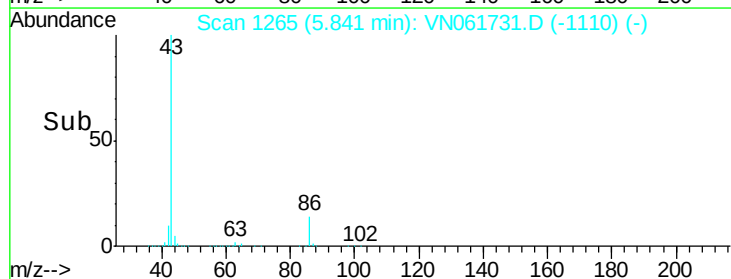
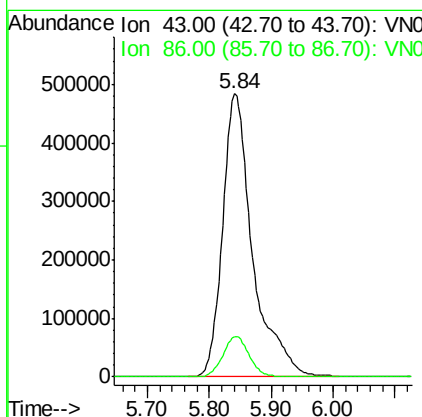
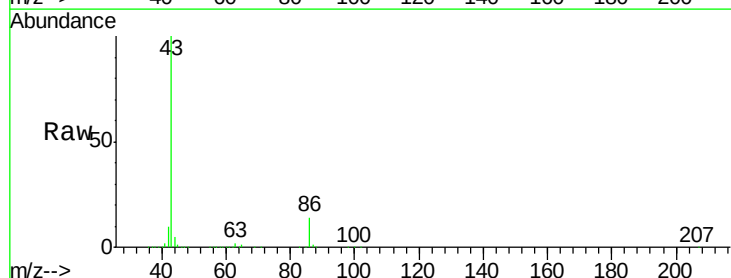
Manual Integrations
APPROVED

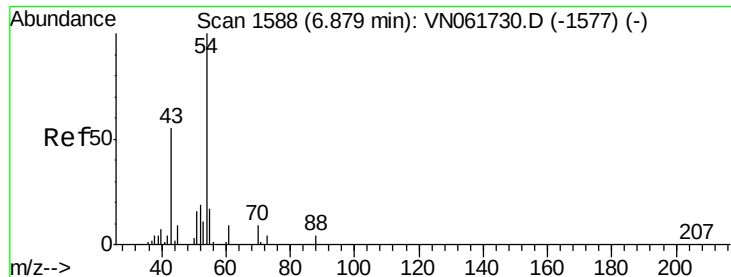
MMDadoda
6/11/2020 12:44:30 PM



#42
Vinyl Acetate
Concen: 152.625 ug/l
RT: 5.84 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	43	Resp	1632275
Ion Ratio	100	Lower	Upper
43	100		
86	12.5	10.0	15.0





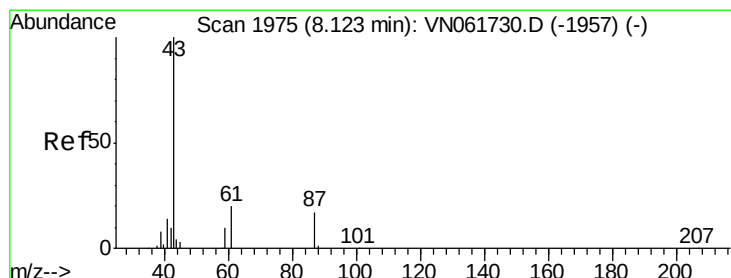
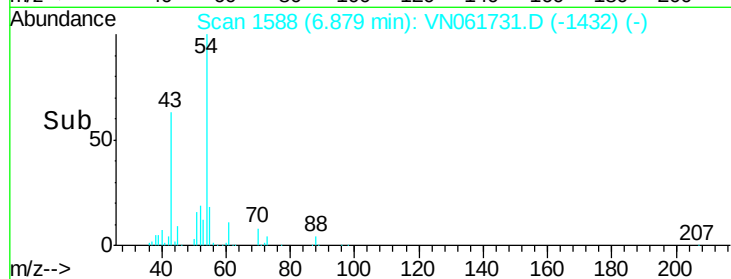
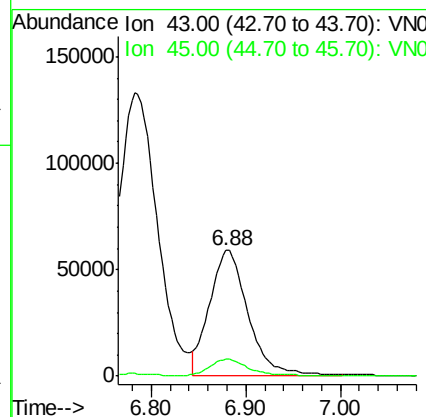
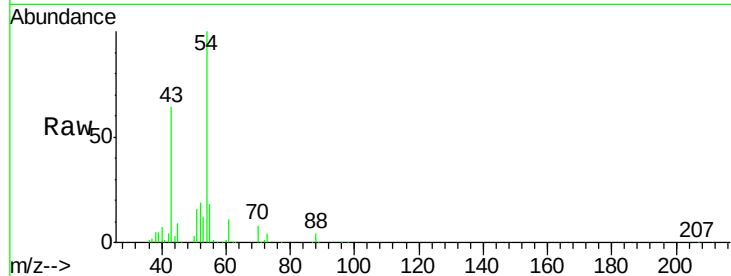
#43
Ethyl Acetate
Concen: 34.989 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	43	Ratio	Lower	Upper
164954	100			
45	14.7	11.4	17.2	

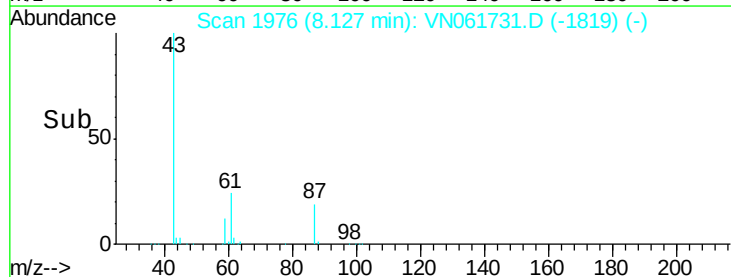
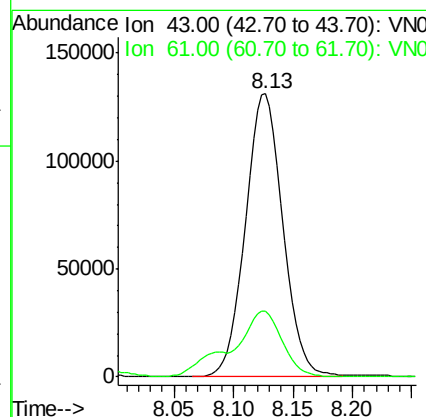
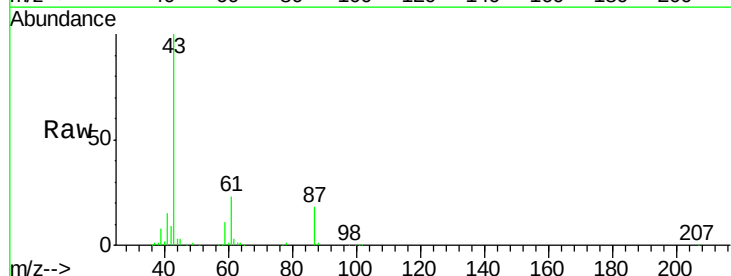
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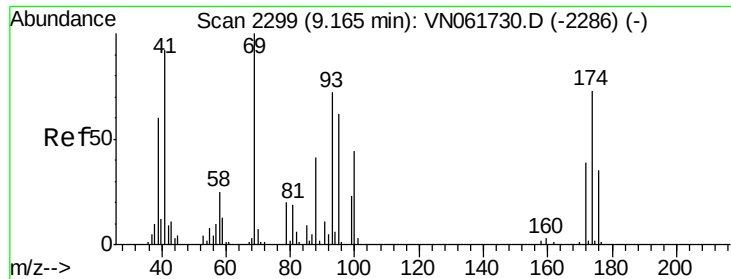
MMDadoda
6/11/2020 12:44:30 PM



#44
Isopropyl Acetate
Concen: 30.602 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	43	Ratio	Lower	Upper
284456	100			
61	23.5	18.9	28.3	





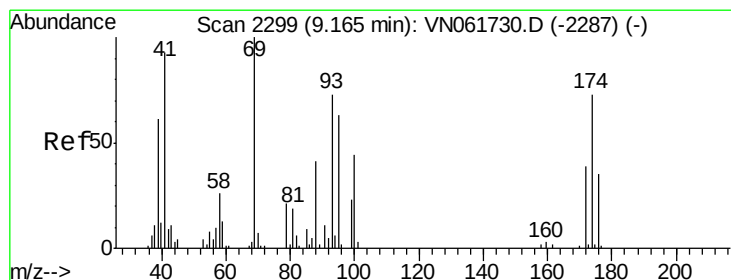
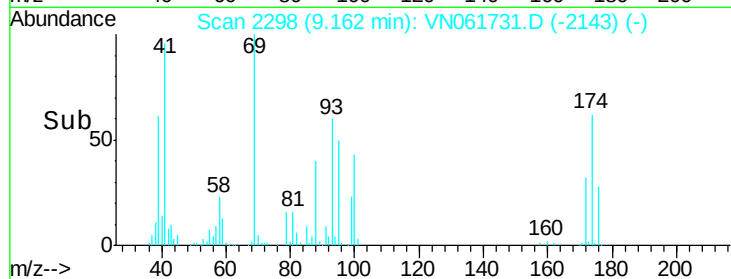
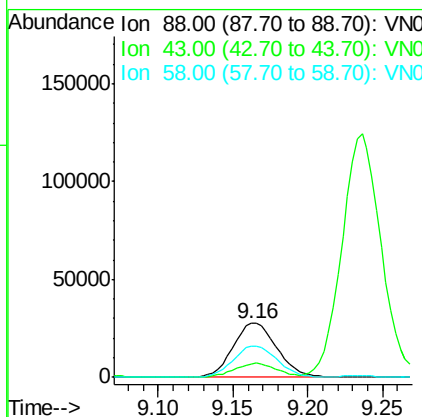
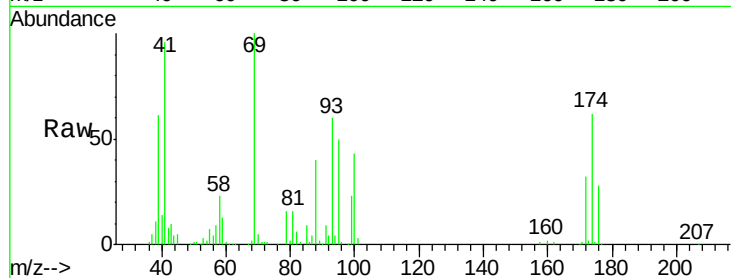
#45
 1,4-Dioxane
 Concen: 1312.787 ug/l
 RT: 9.16 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.1	21.8	32.8
58	58.1	48.4	72.6

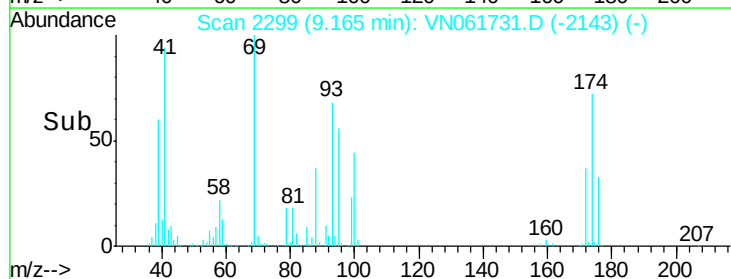
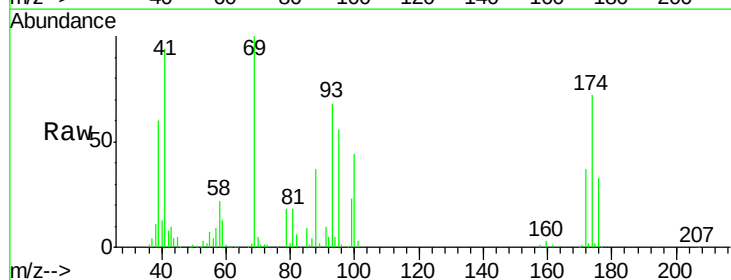
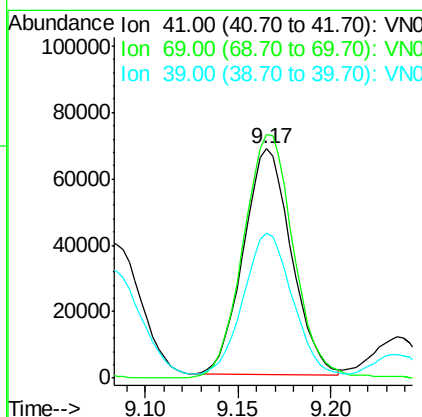
Manual Integrations
 APPROVED

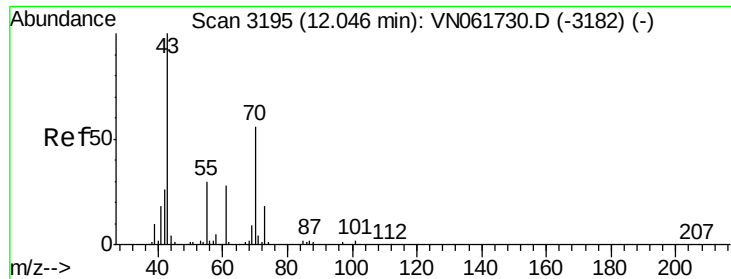
MMDadoda
 6/11/2020 12:44:30 PM



#46
 Methyl methacrylate
 Concen: 28.498 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
41	100		
69	107.7	53.8	161.4
39	62.4	33.0	98.9





#47

n-amvl Acetate

Concen: 29.783 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 244500

Ion Ratio Lower Upper

43 100

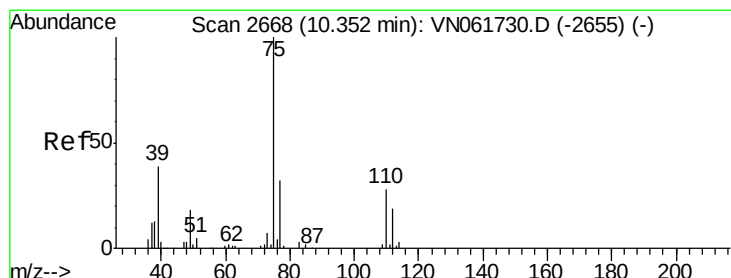
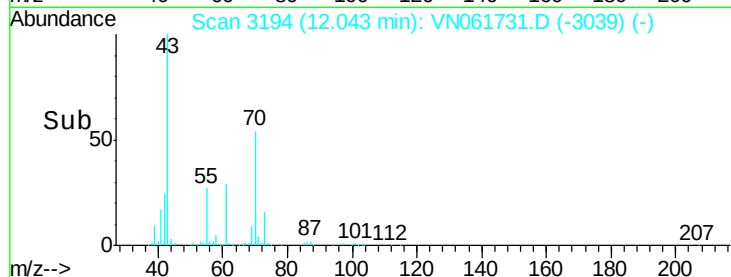
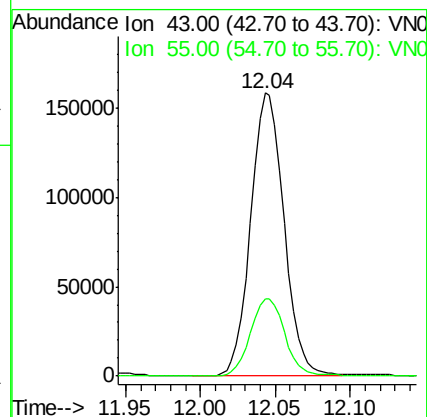
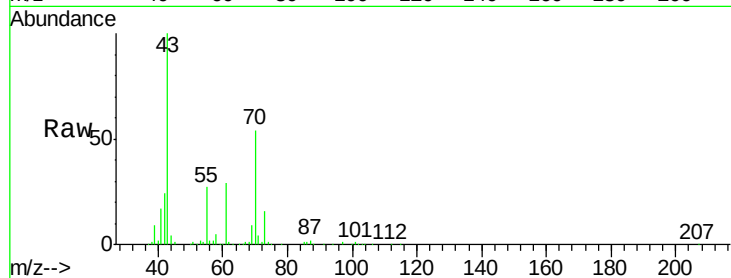
55 28.6 22.7 34.1

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 39.892 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061731.D

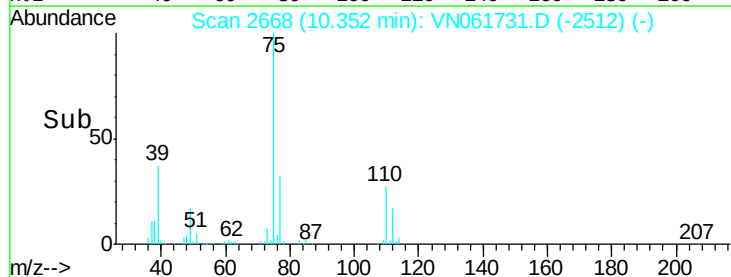
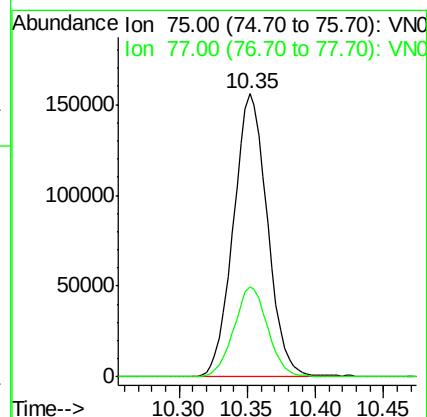
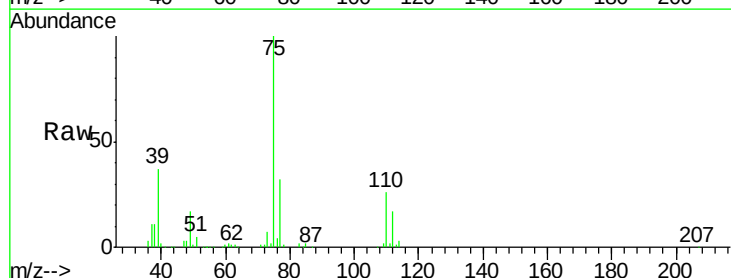
Acq: 10 Jun 2020 11:17

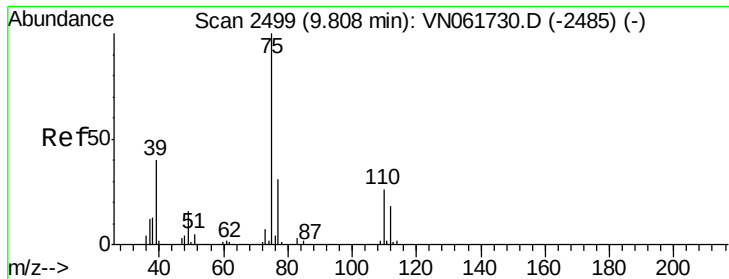
Tgt Ion: 75 Resp: 269744

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2





#49

cis-1,3-Dichloropropene

Concen: 40.692 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

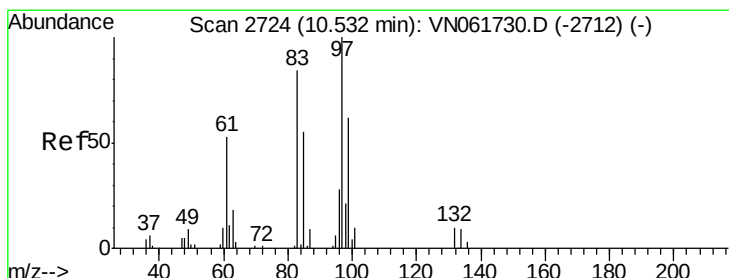
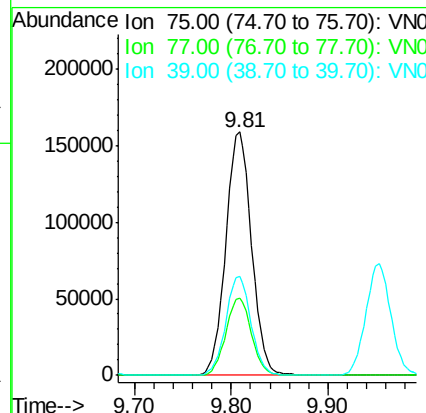
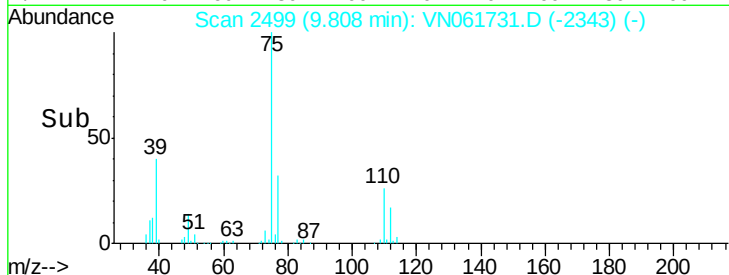
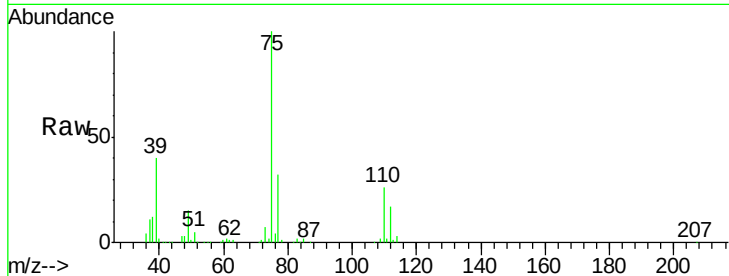
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	294189
Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2
39	40.5	31.8	47.6

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 47.980 ug/l

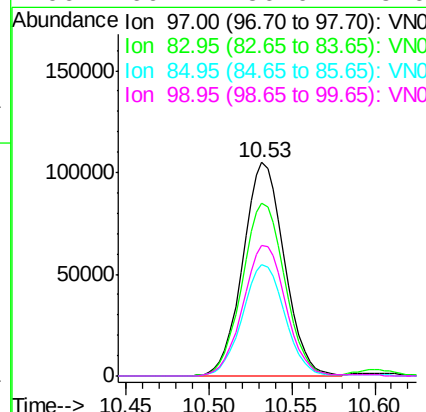
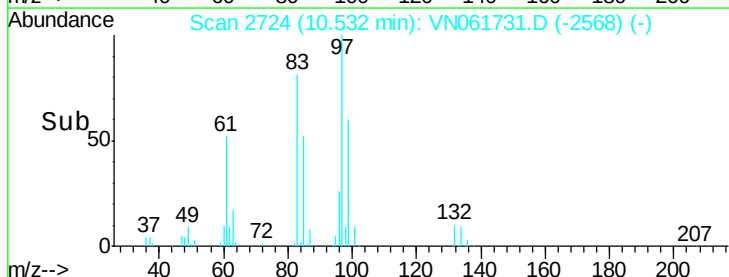
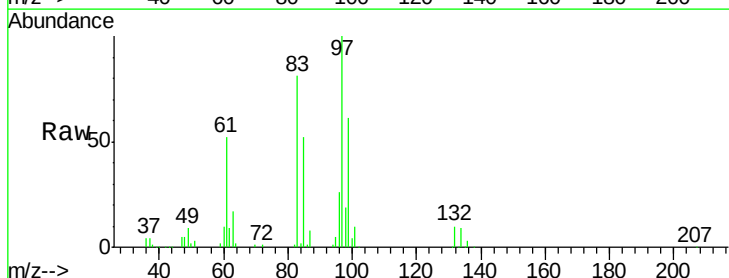
RT: 10.53 min Scan# 2724

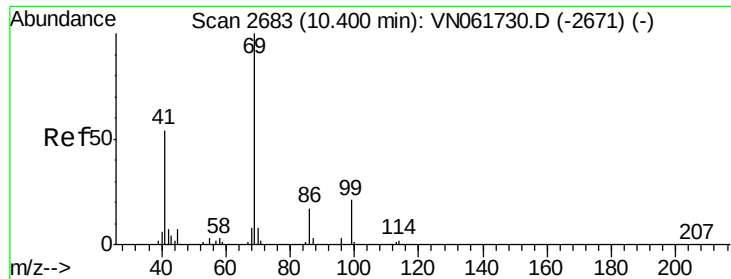
Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion:	97	Resp:	183018
Ion	Ratio	Lower	Upper
97	100		
83	80.5	67.6	101.4
85	52.0	44.0	66.0
99	60.7	50.0	75.0





#51

Ethyl methacrylate

Concen: 38.592 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

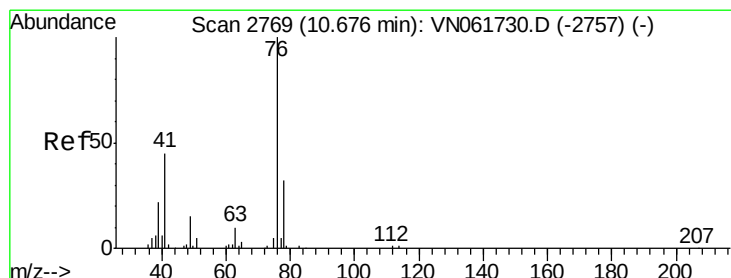
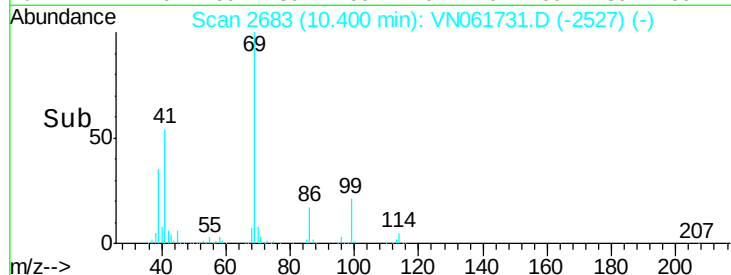
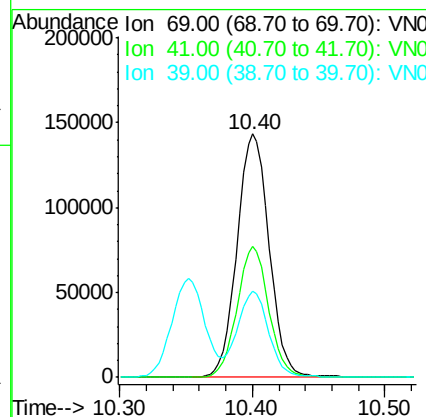
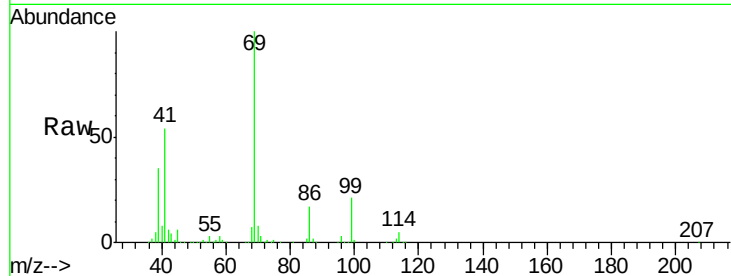
ClientSampled :

VSTDIC050

Tot Ion:	69	Resp:	241077
Ion Ratio	Lower	Upper	
69	100		
41	53.7	26.9	80.7
39	35.0	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 43.137 ug/l

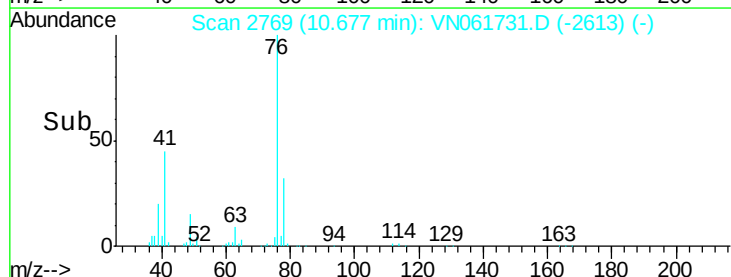
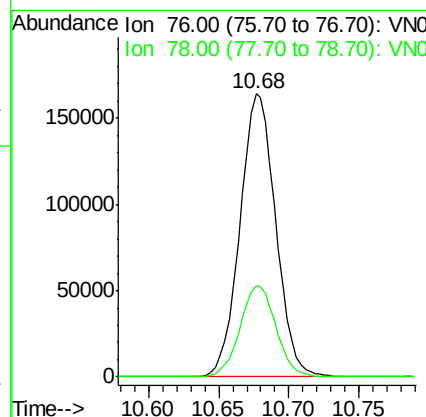
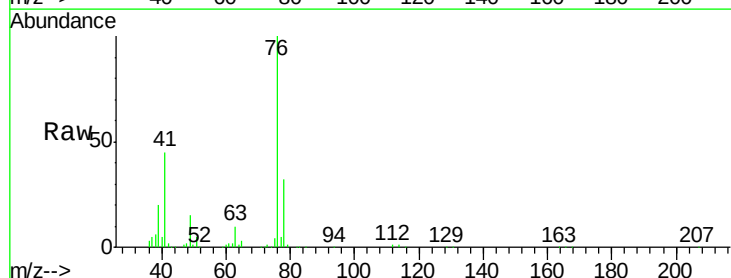
RT: 10.68 min Scan# 2769

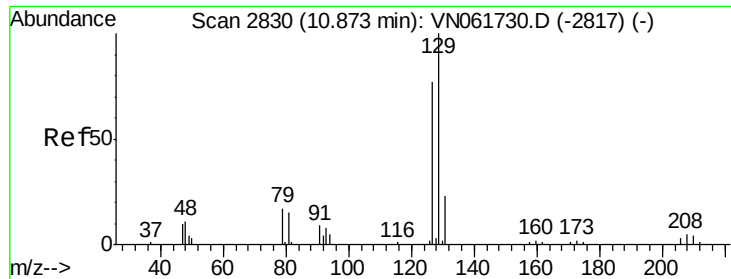
Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion:	76	Resp:	291387
Ion Ratio	Lower	Upper	
76	100		
78	32.5	0.0	65.8





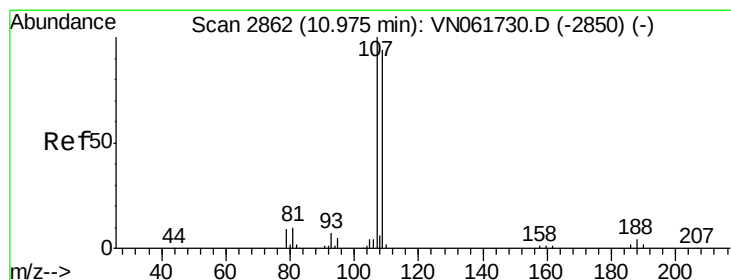
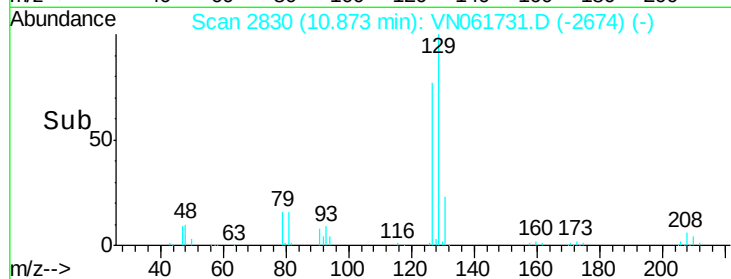
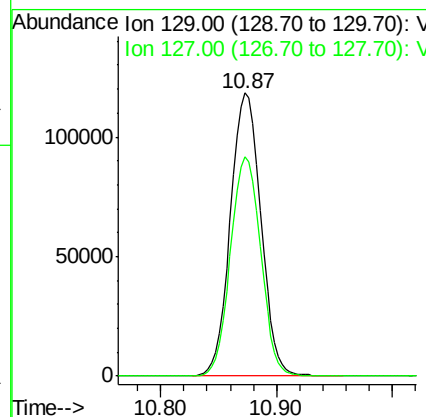
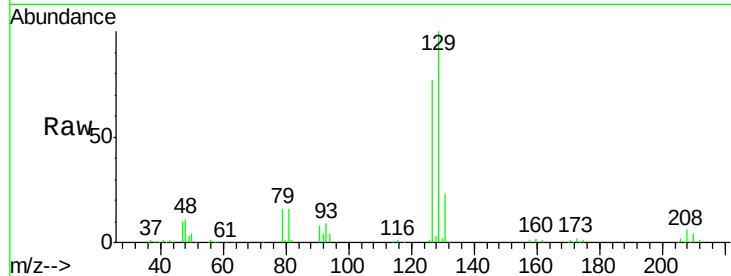
#53
 Dibromochloromethane
 Concen: 51.053 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.6	116.0

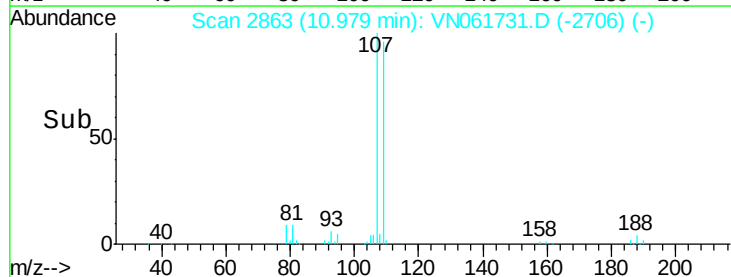
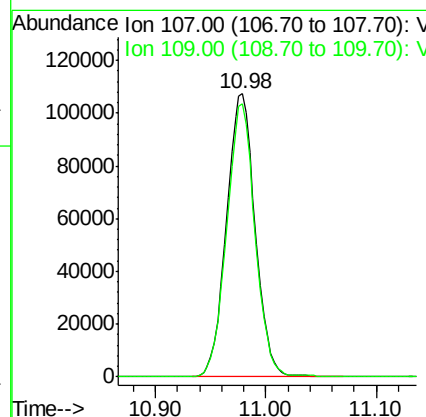
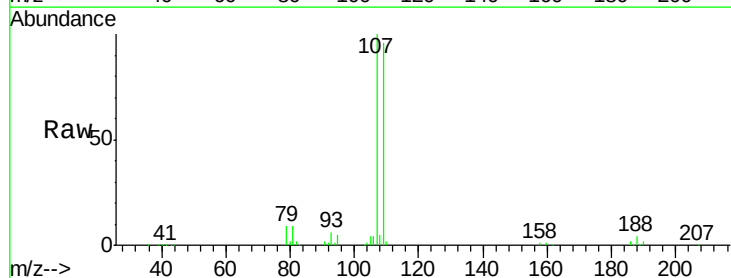
Manual Integrations
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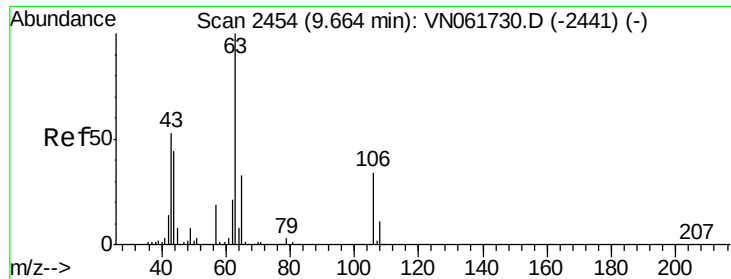
MMDadoda
 6/11/2020 12:44:30 PM



#54
 1,2-Dibromoethane
 Concen: 48.960 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.6	114.8





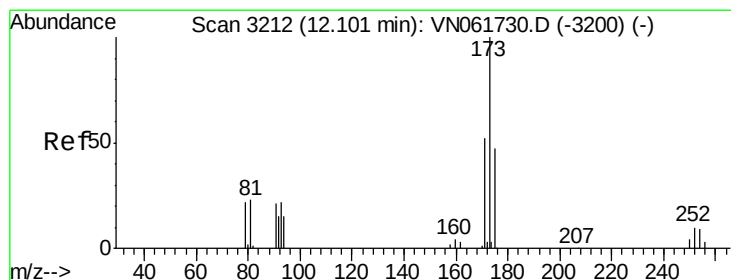
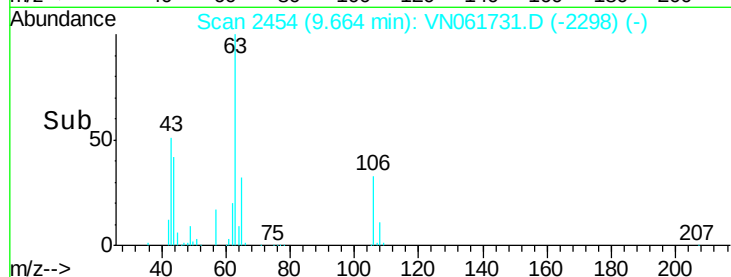
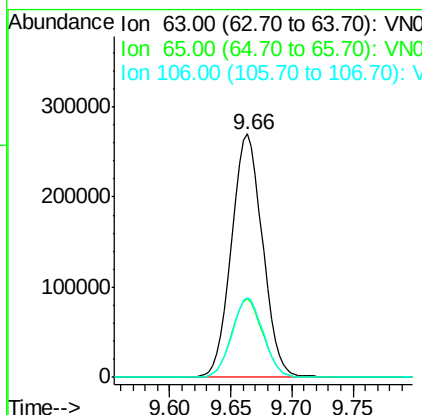
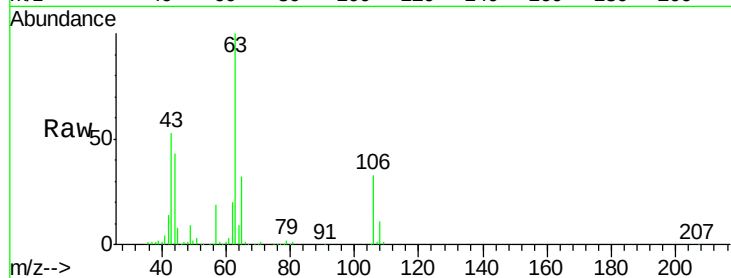
#55
2-Chloroethyl vinyl ether
Concen: 177.745 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.8	38.8
106	32.7	26.5	39.7

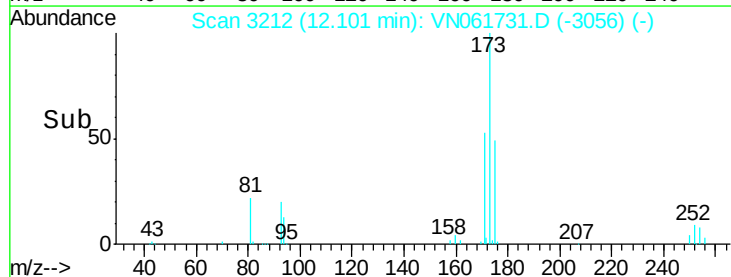
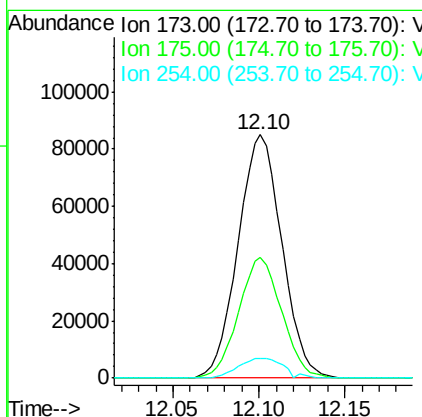
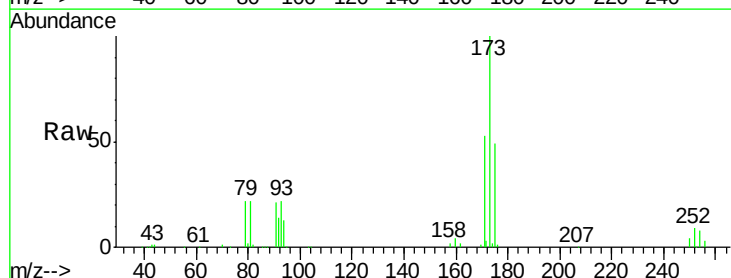
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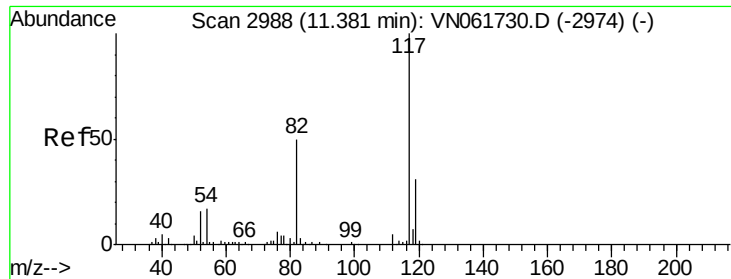
MMDadoda
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#56
Bromoform
Concen: 55.537 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	37.5	56.3
254	8.1	6.9	10.3





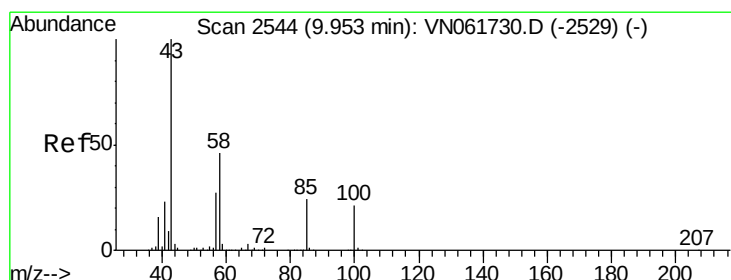
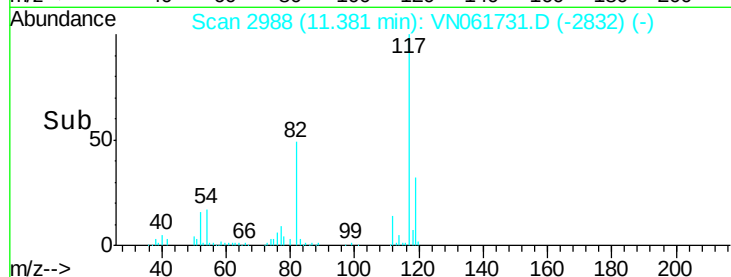
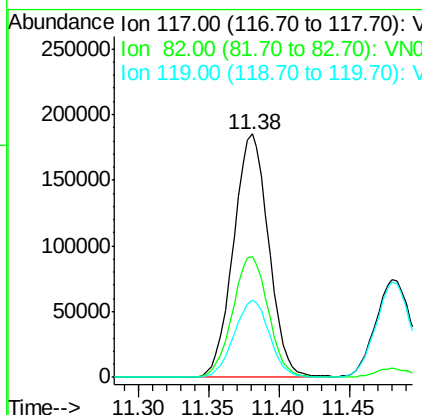
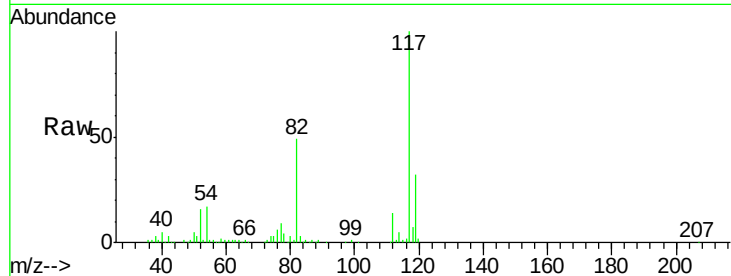
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	50.3	40.6	60.8
119	31.7	25.4	38.2

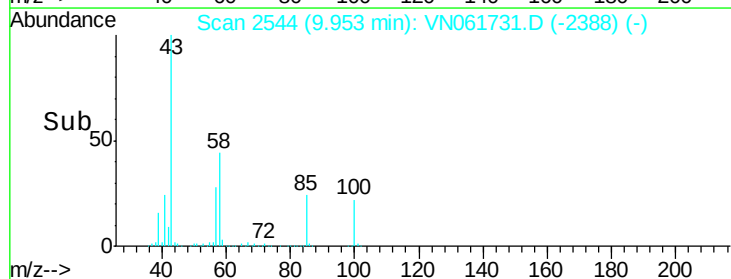
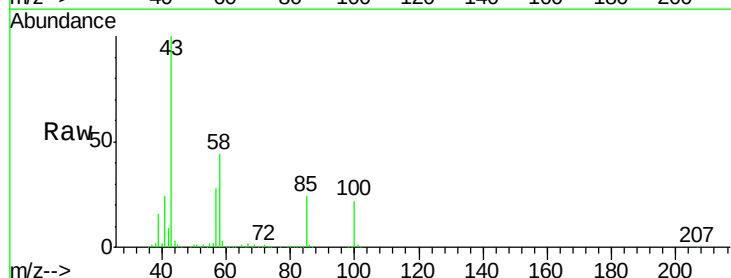
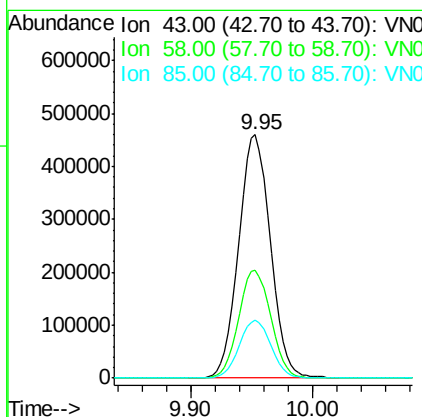
Manual Integrations
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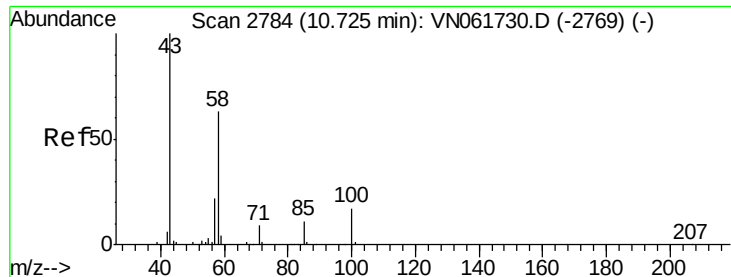
MMDadoda
6/11/2020 12:44:30 PM



#58
4-Methyl-2-Pentanone
Concen: 154.712 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	45.0	36.6	54.8
85	23.8	19.0	28.6





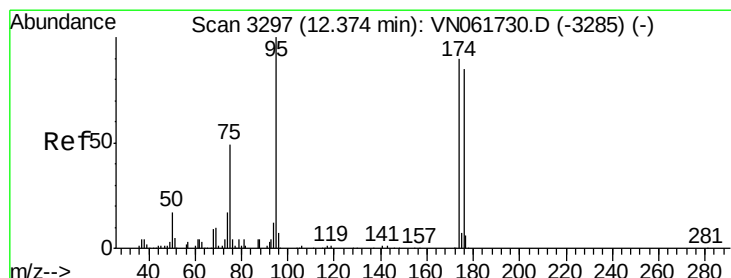
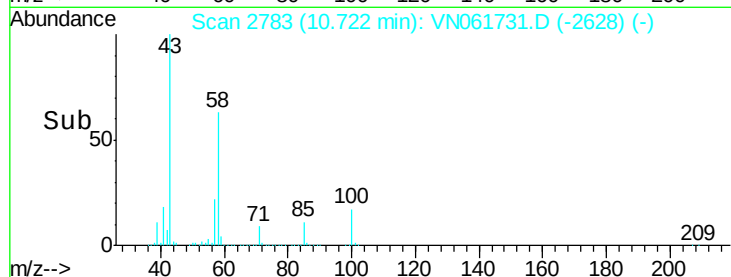
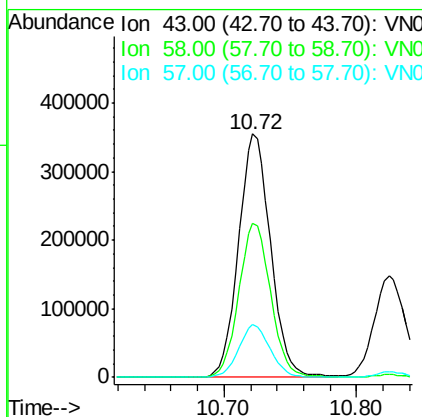
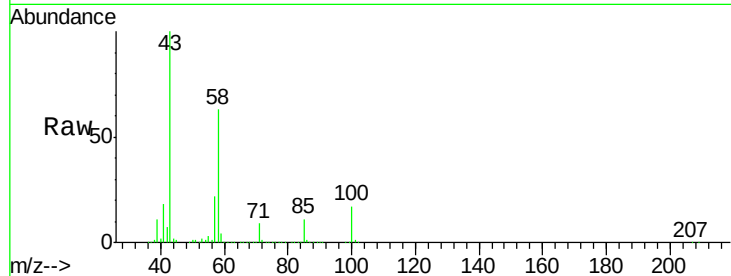
#59
2-Hexanone
Concen: 157.464 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	43	Resp:	595324
Ion	Ratio	Lower	Upper
43	100		
58	63.2	50.4	75.6
57	21.4	17.2	25.8

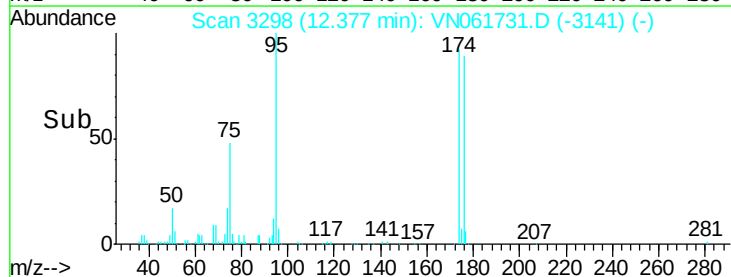
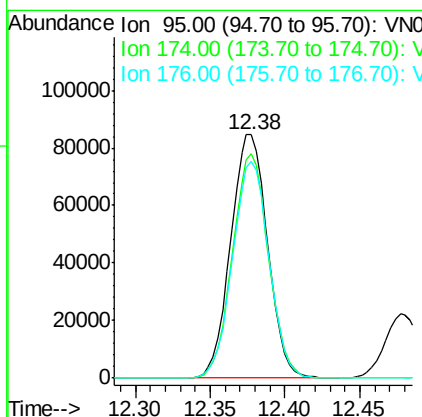
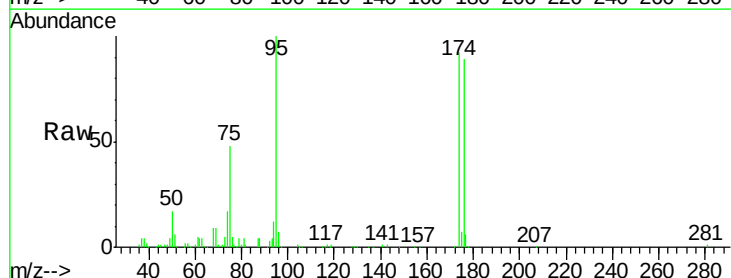
Manual Integrations
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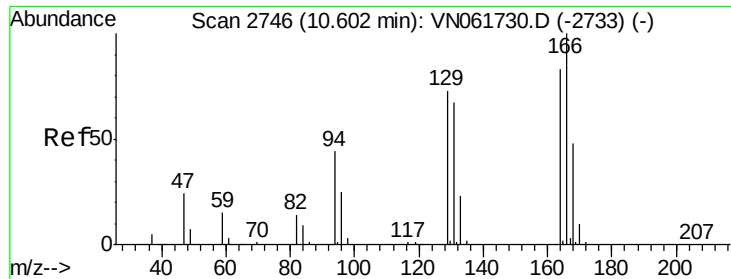
MMDadoda
6/11/2020 12:44:30 PM



#60
4-Bromofluorobenzene
Concen: 26.873 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion:	95	Resp:	145201
Ion	Ratio	Lower	Upper
95	100		
174	90.0	72.8	109.2
176	87.8	69.2	103.8





#61

Tetrachloroethene

Concen: 58.197 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 244171

Ion Ratio Lower Upper

164 100

166 128.0 96.6 144.8

129 87.3 70.1 105.1

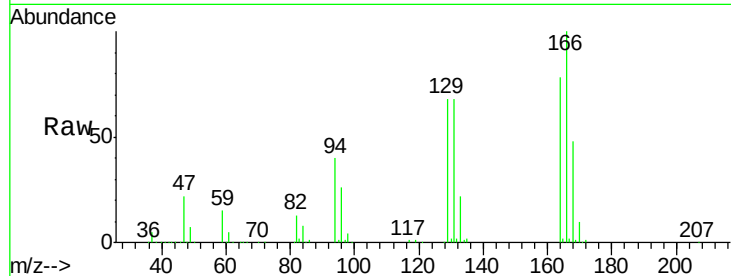
131 87.5 64.6 96.8

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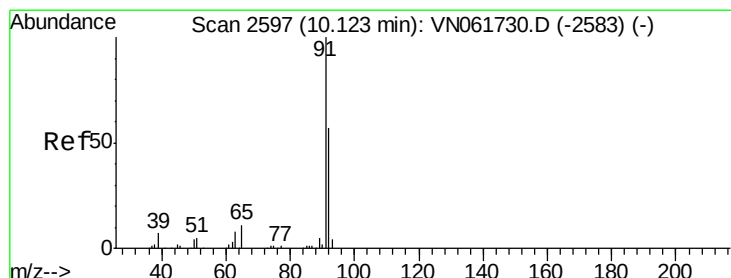
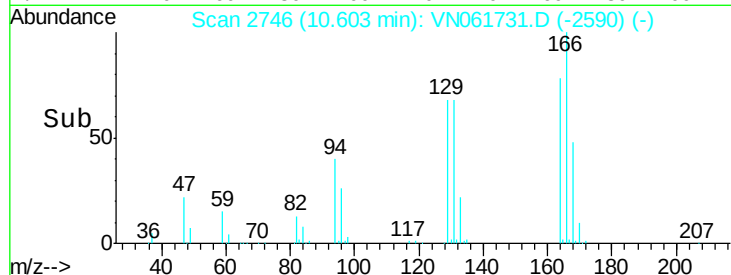
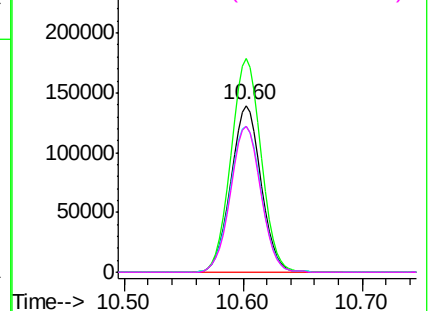


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 44.079 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061731.D

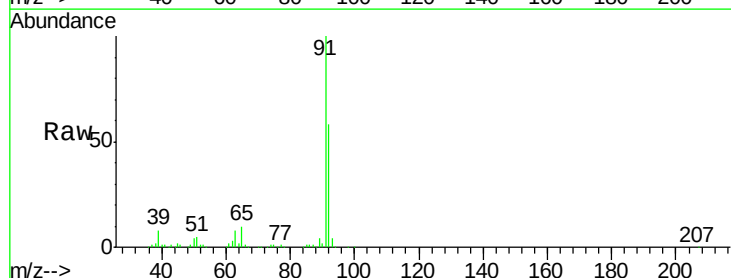
Acq: 10 Jun 2020 11:17

Tgt Ion: 91 Resp: 801656

Ion Ratio Lower Upper

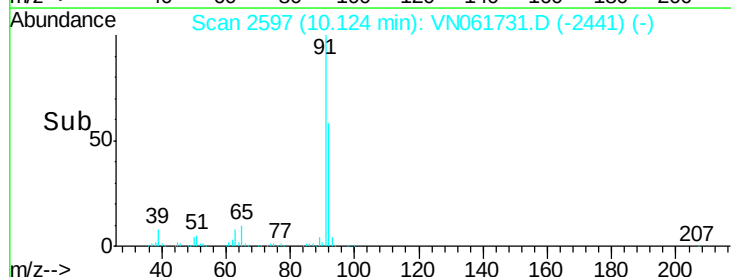
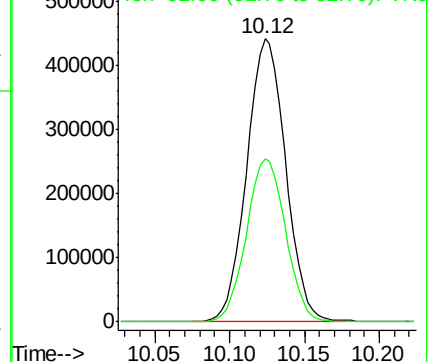
91 100

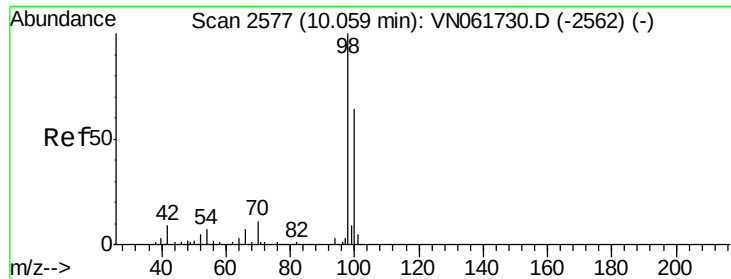
92 58.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 27.567 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 407928

Ion Ratio Lower Upper

98 100

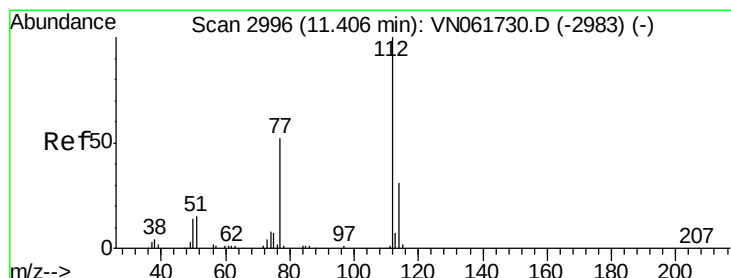
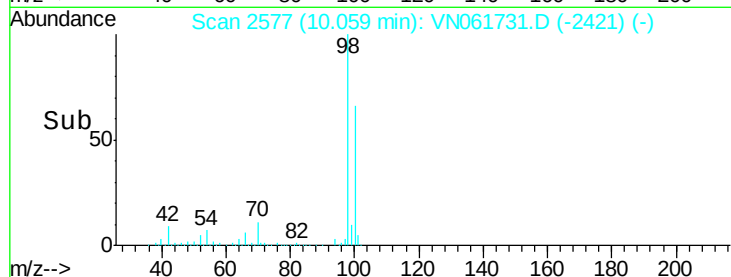
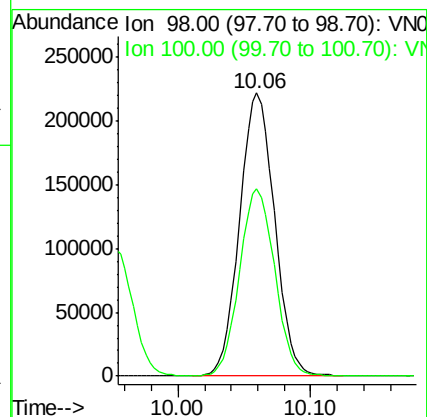
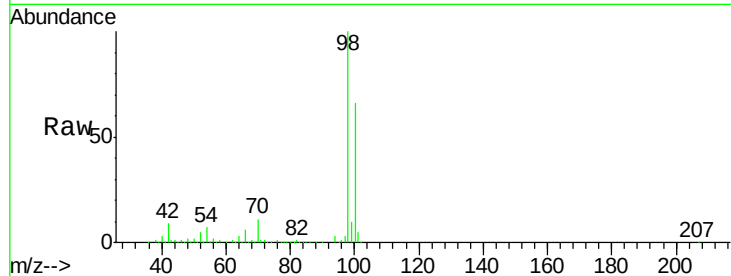
100 66.4 52.2 78.4

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#64

Chlorobenzene

Concen: 46.816 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061731.D

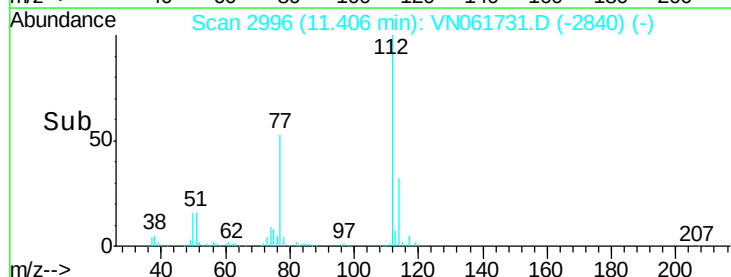
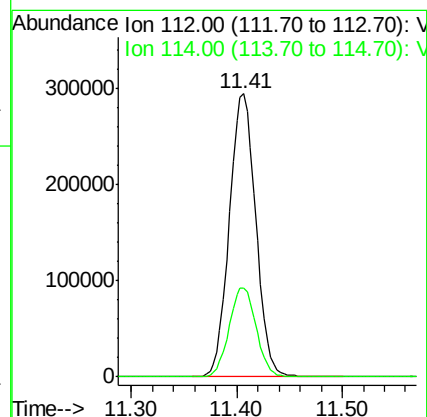
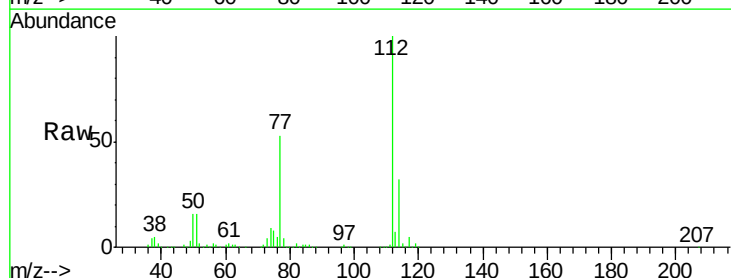
Acq: 10 Jun 2020 11:17

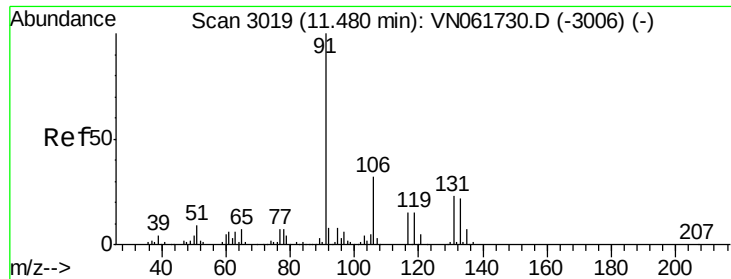
Tgt Ion: 112 Resp: 510304

Ion Ratio Lower Upper

112 100

114 31.6 24.9 37.3





#65

1,1,1,2-Tetrachloroethane

Concen: 48.634 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

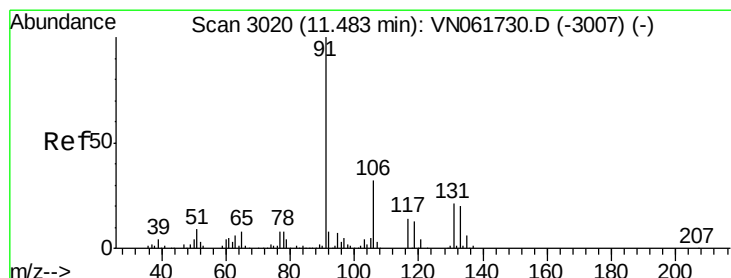
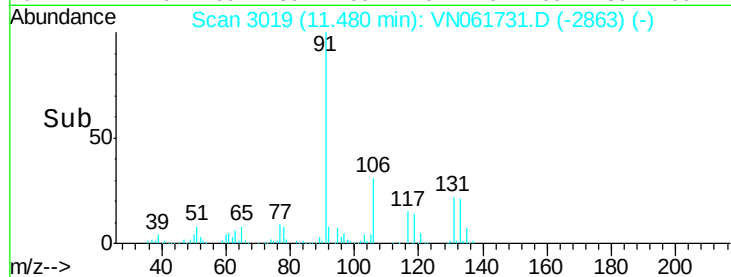
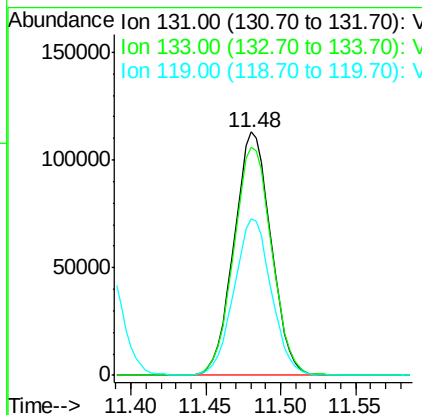
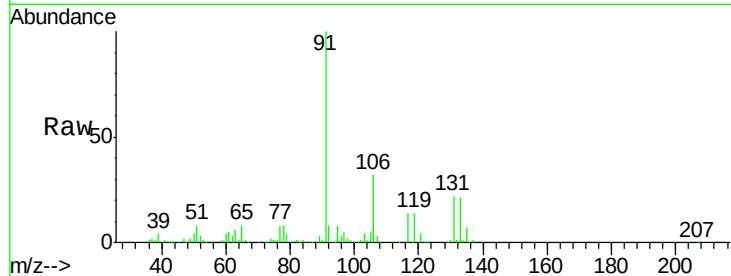
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	194824
Ion Ratio	Lower	Upper	
131	100		
133	96.1	0.0	189.4
119	64.8	0.0	130.8

Manual Integrations
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#66

Ethyl Benzene

Concen: 43.370 ug/l

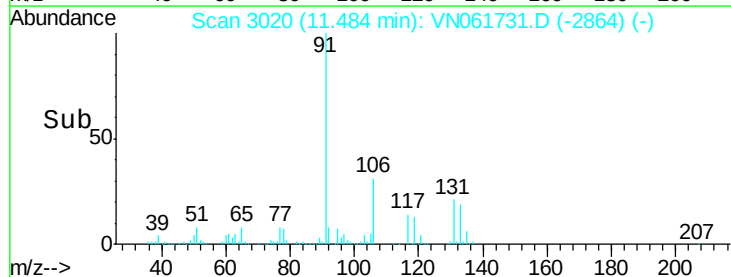
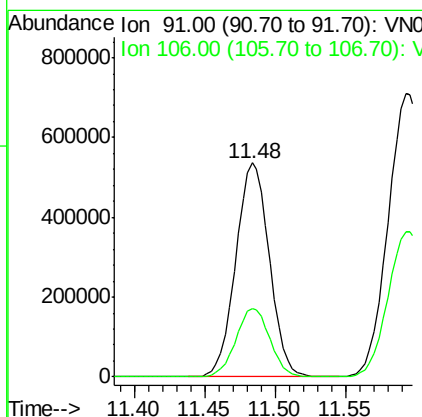
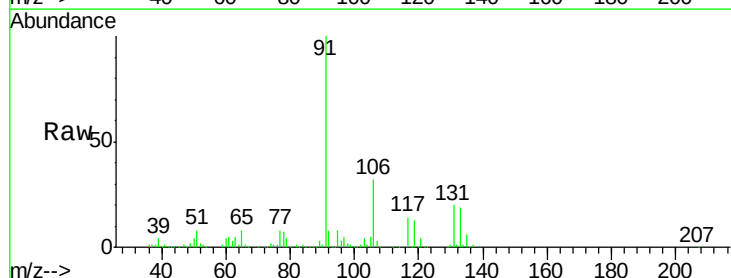
RT: 11.48 min Scan# 3020

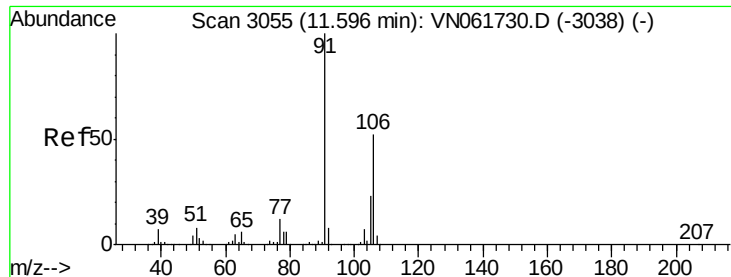
Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion:	91	Resp:	895817
Ion Ratio	Lower	Upper	
91	100		
106	32.1	25.7	38.5





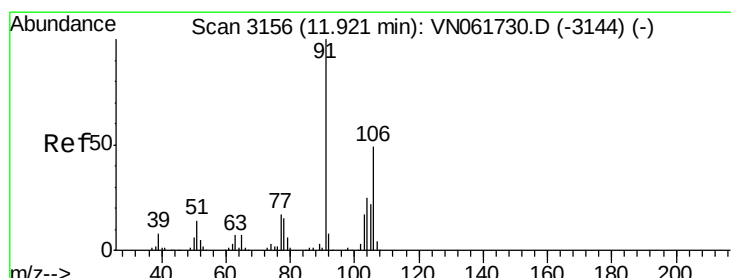
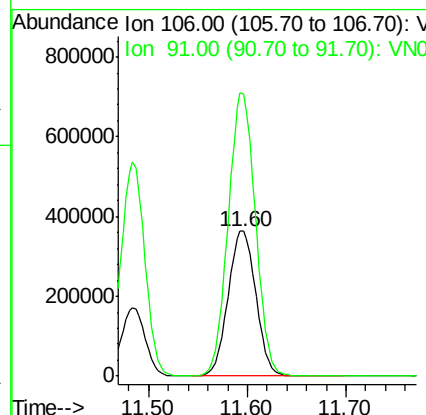
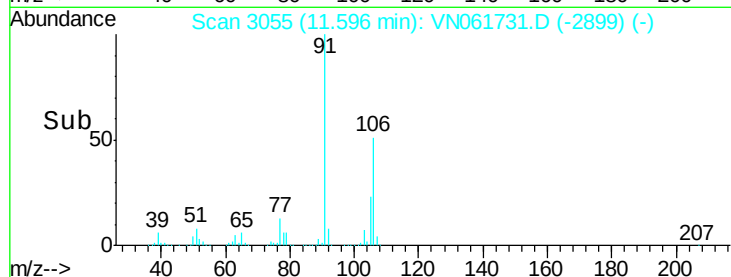
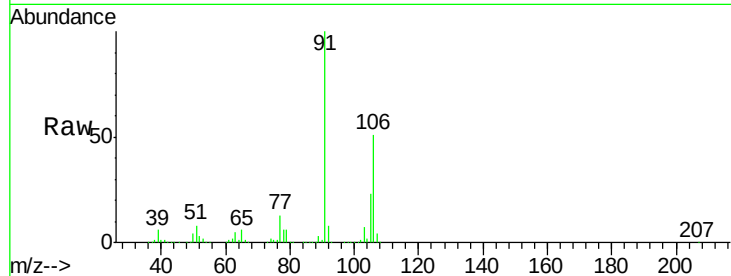
#67
m/p-Xylenes
Concen: 92.612 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		716195		
91	191.7	156.2	234.4		

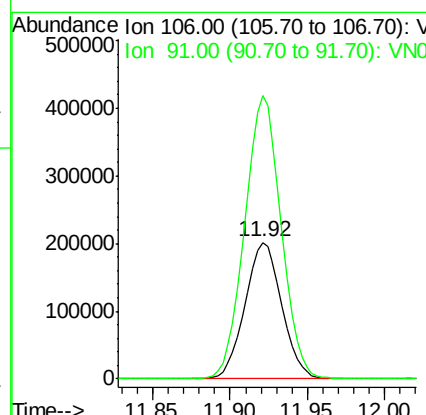
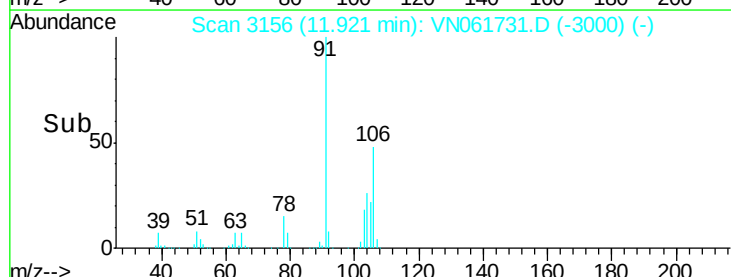
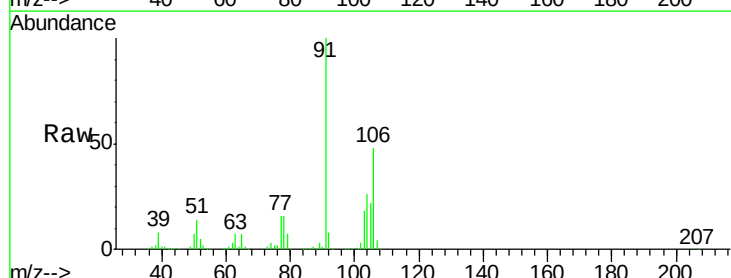
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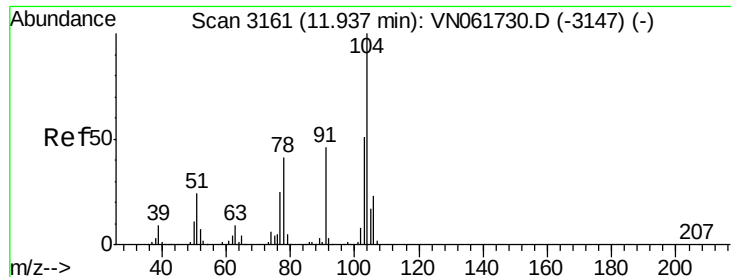
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#68
o-Xylene
Concen: 45.293 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		333171		
91	205.9	101.9	305.7		





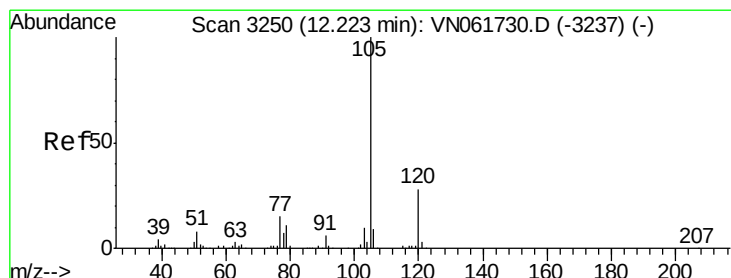
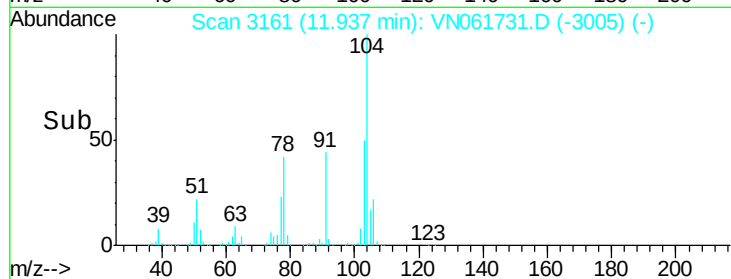
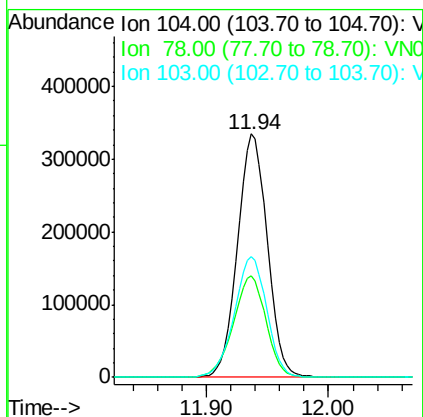
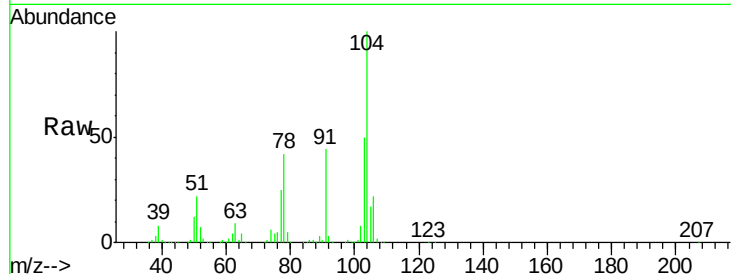
#69
Stvrene
Concen: 44.782 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
104	100	565454		
78	45.9		36.5	54.7
103	54.1		43.4	65.2

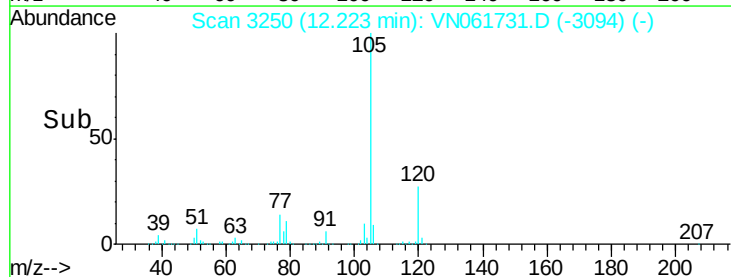
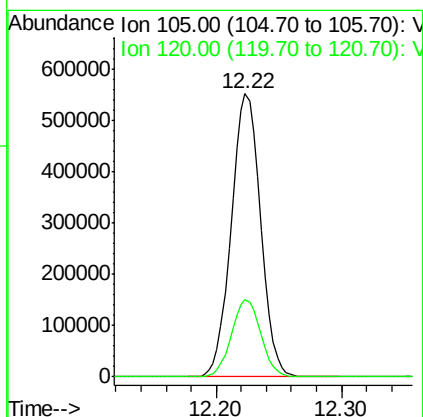
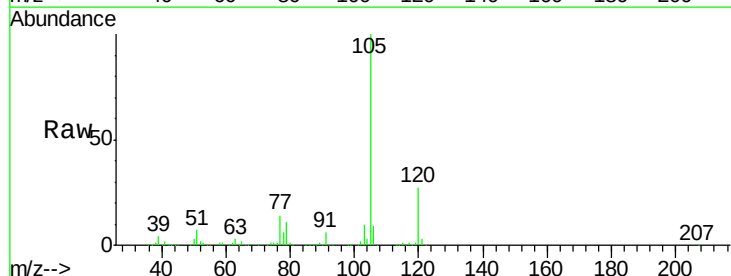
Manual Integrations
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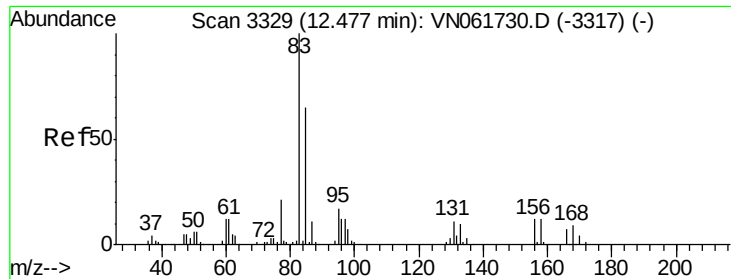
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#70
Isopropylbenzene
Concen: 44.947 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	893463		
120	27.3		19.3	35.8





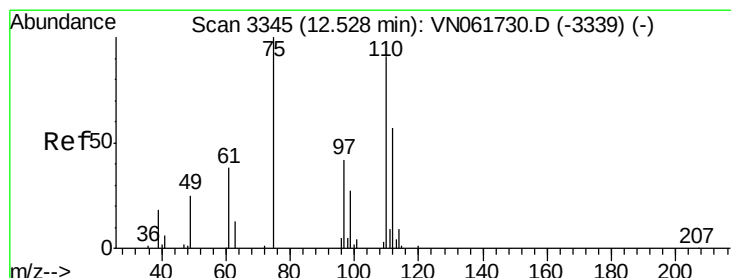
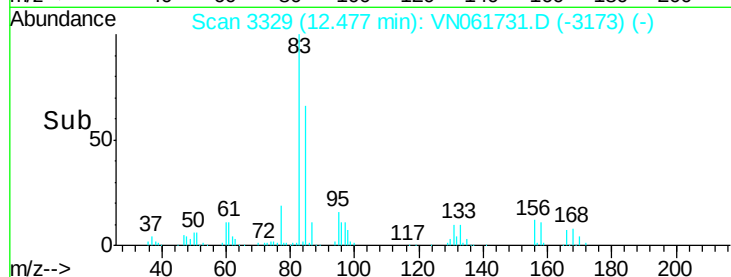
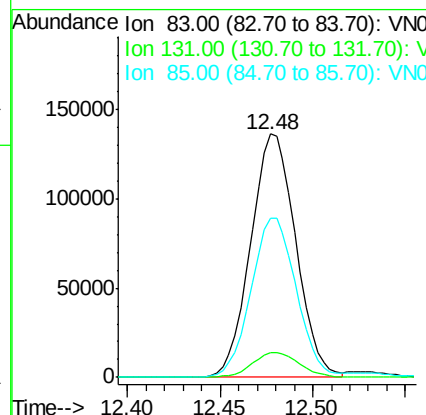
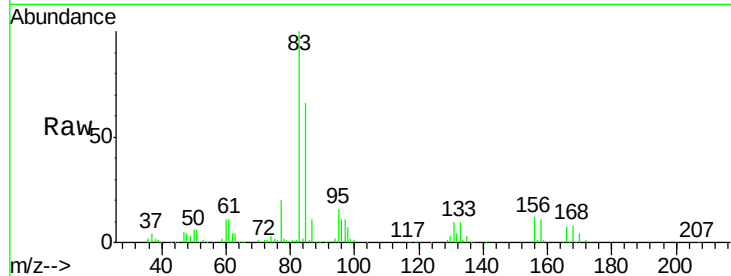
#71
 1,1,2,2-Tetrachloroethane
 Concen: 42.420 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.8	5.7	17.0	
85	65.6	33.0	98.9	

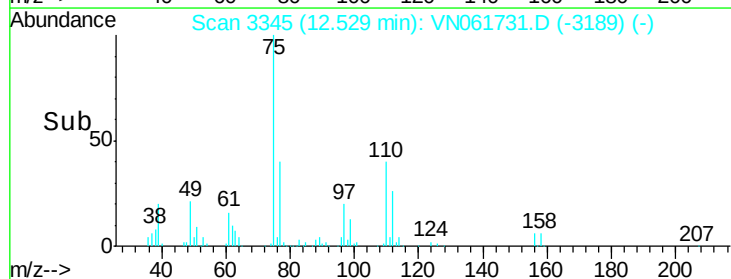
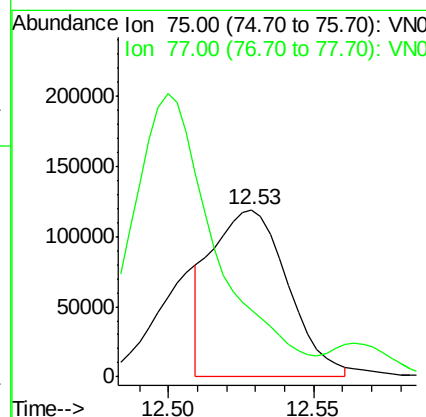
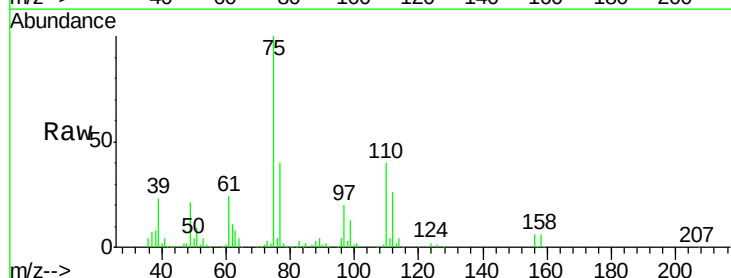
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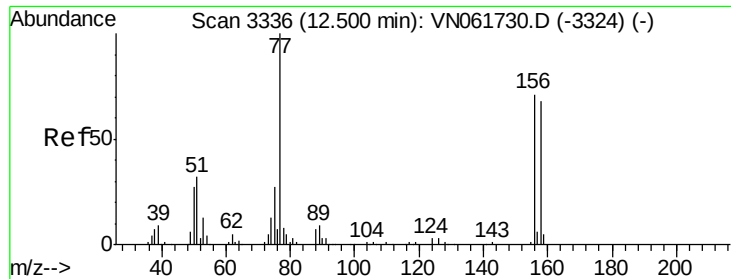
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#72
 1,2,3-Trichloropropane
 Concen: 41.918 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	189.8	0.0	371.8	





#73

Bromobenzene

Concen: 54.481 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

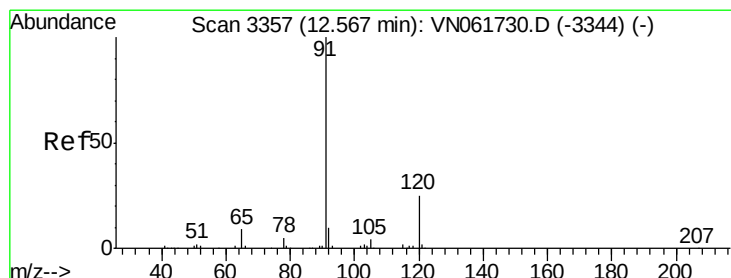
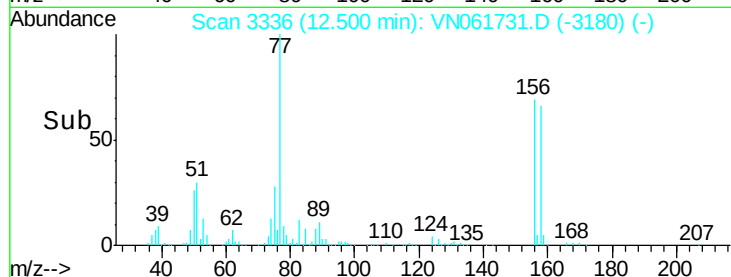
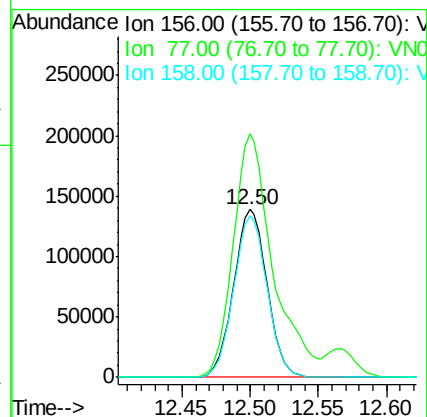
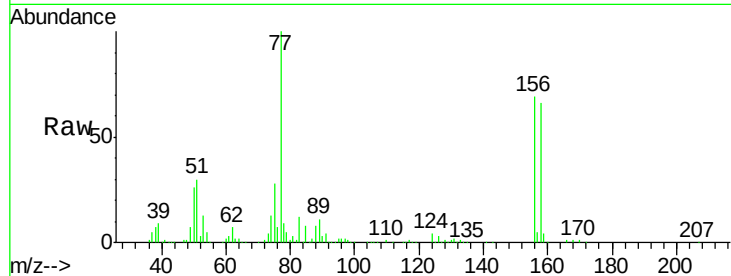
ClientSampled :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	235835		
77	172.9	0.0	350.0	
158	96.3	0.0	195.4	

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#74

n-propylbenzene

Concen: 43.149 ug/l

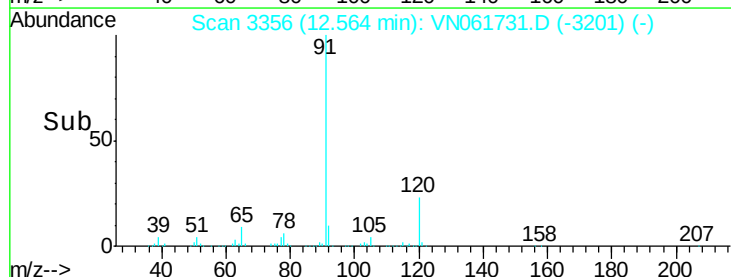
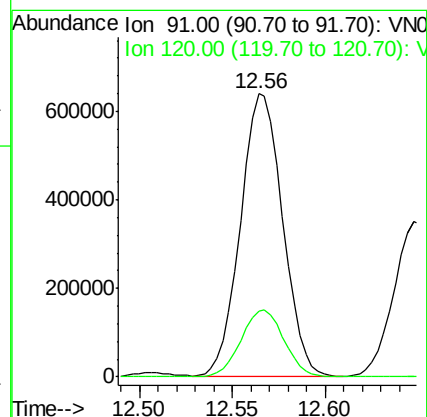
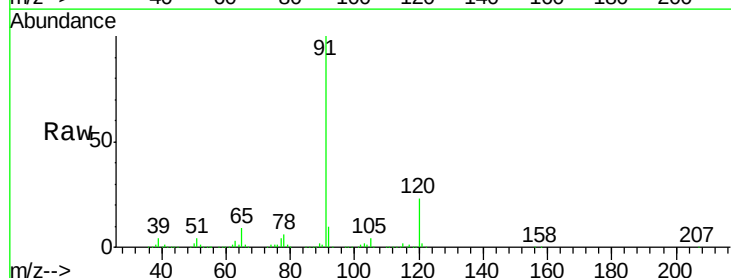
RT: 12.56 min Scan# 3356

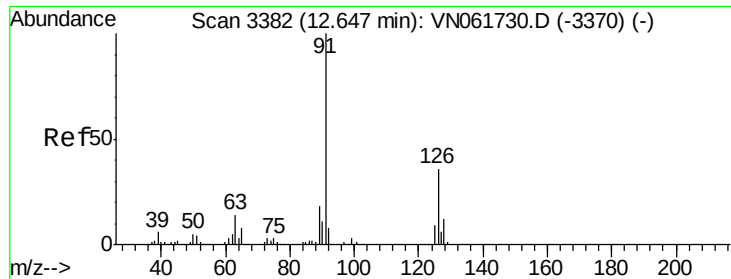
Delta R.T. -0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1012392		
120	24.0	0.0	48.4	





#75

2-Chlorotoluene

Concen: 43.248 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 581653

Ion Ratio Lower Upper

91 100

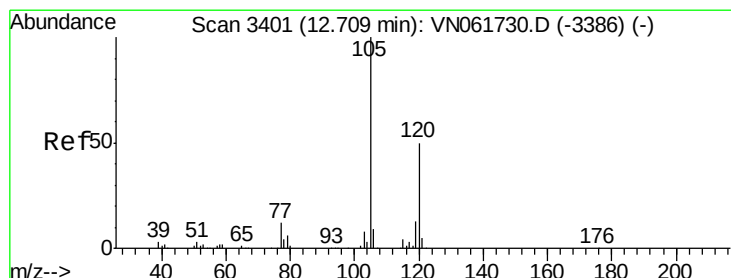
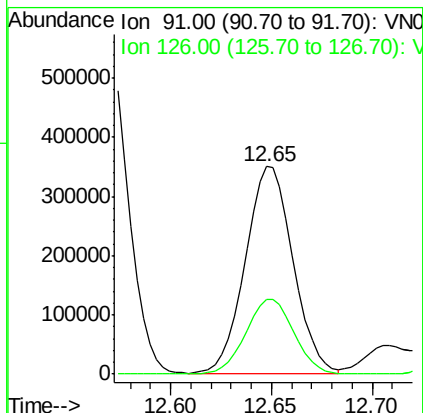
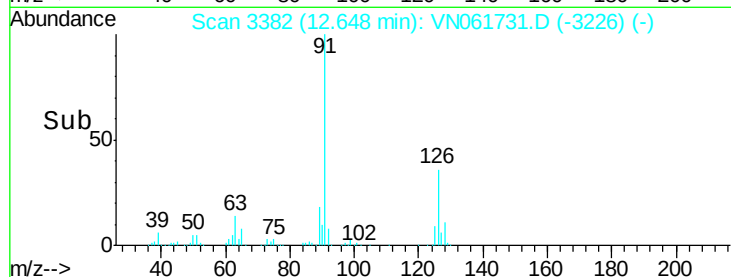
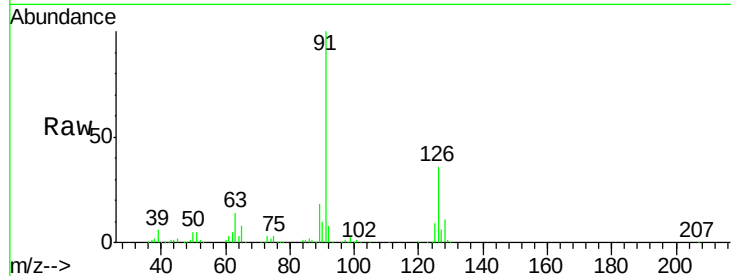
126 36.5 0.0 72.0

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#76

1,3,5-Trimethylbenzene

Concen: 44.147 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061731.D

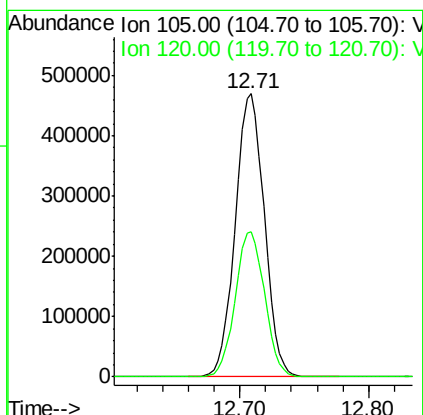
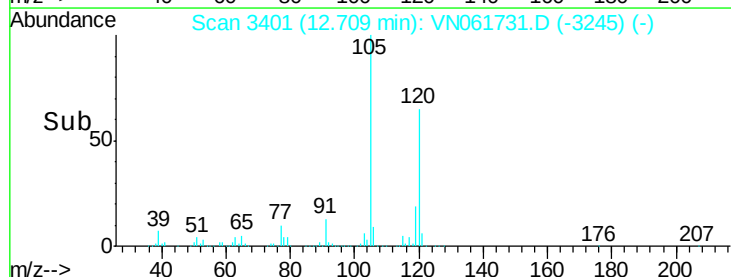
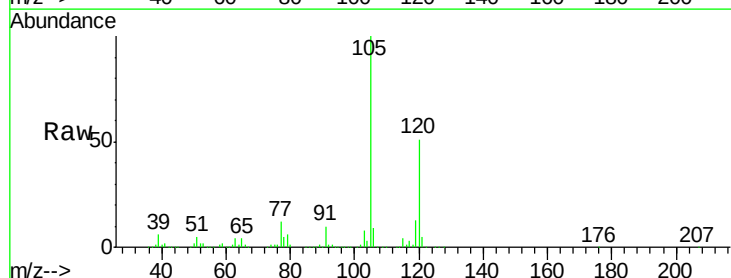
Acq: 10 Jun 2020 11:17

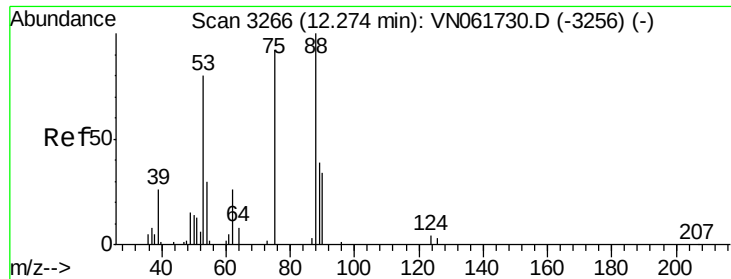
Tgt Ion: 105 Resp: 735277

Ion Ratio Lower Upper

105 100

120 51.7 0.0 101.6





#77

t-1,4-Dichloro-2-butene

Concen: 36.922 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

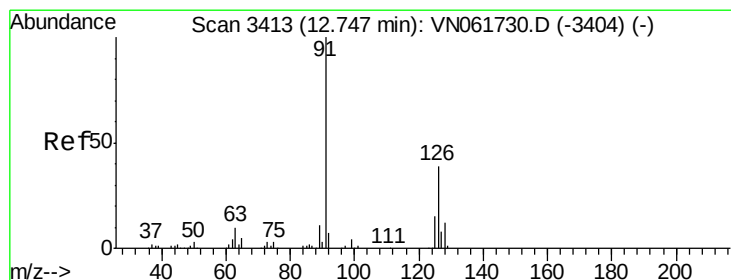
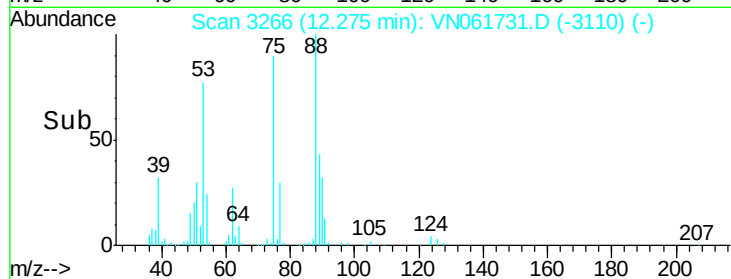
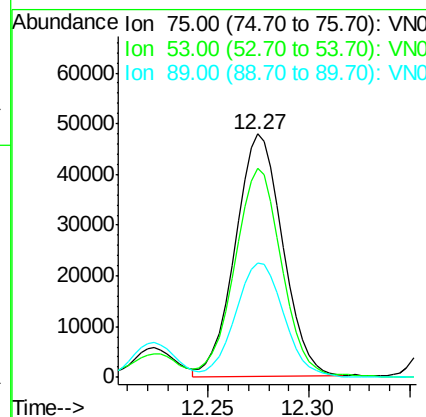
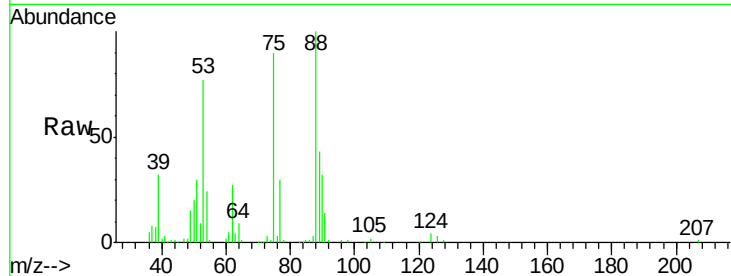
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	78166
Ion Ratio	Lower	Upper	
75	100		
53	85.6	43.8	131.4
89	47.6	23.1	69.2

Manual Integrations
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#78

4-Chlorotoluene

Concen: 43.166 ug/l

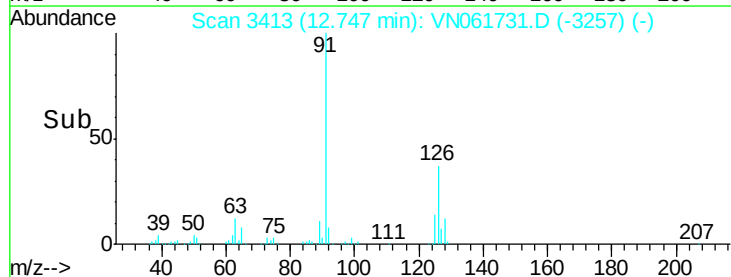
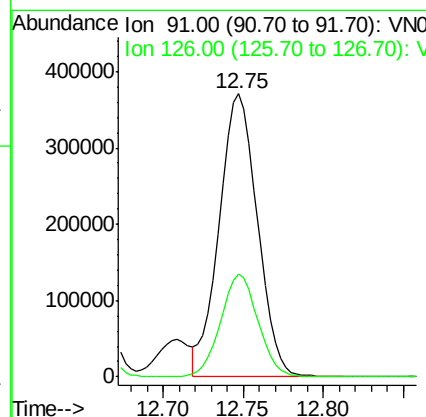
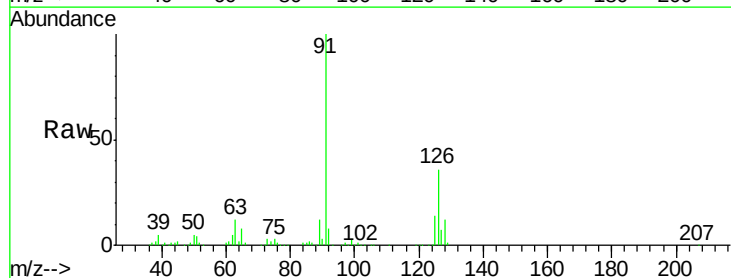
RT: 12.75 min Scan# 3413

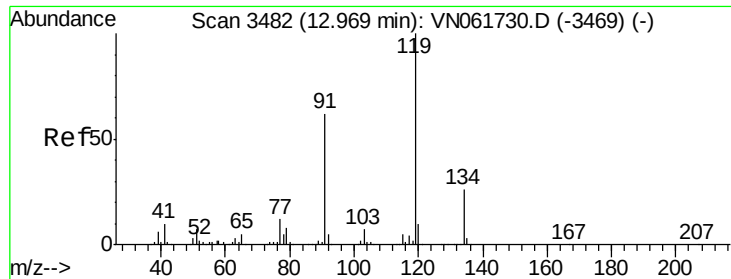
Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion:	91	Resp:	609242
Ion Ratio	Lower	Upper	
91	100		
126	35.3	0.0	70.4





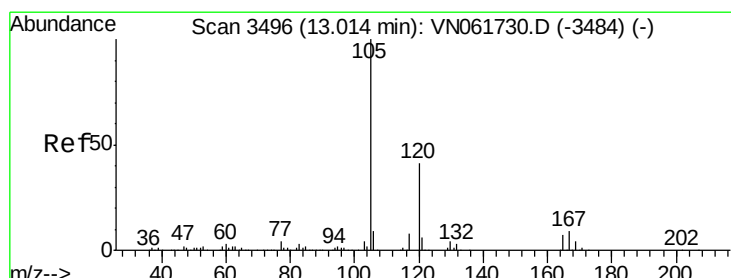
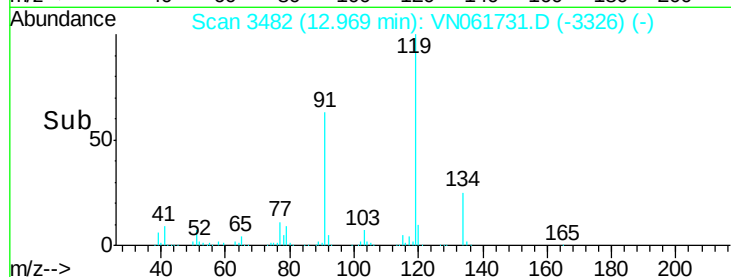
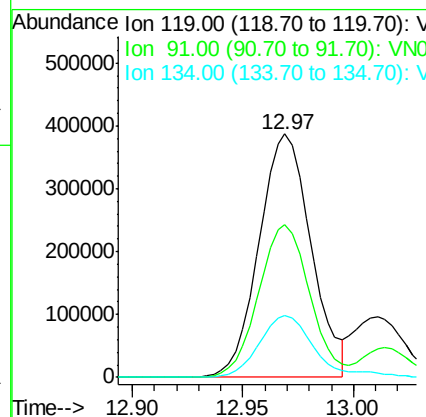
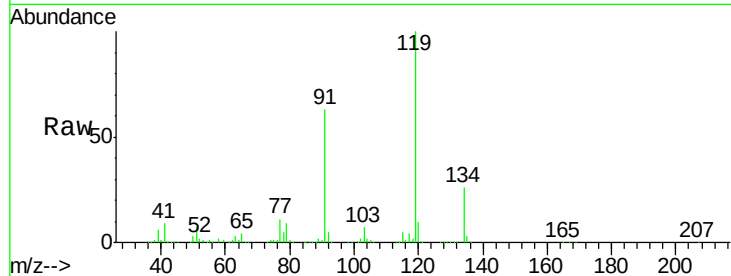
#79
tert-butylbenzene
Concen: 45.743 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	634422		
91	61.8	0.0	124.6	
134	27.0	0.0	51.4	

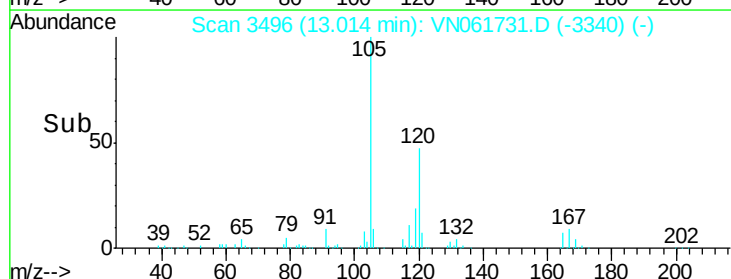
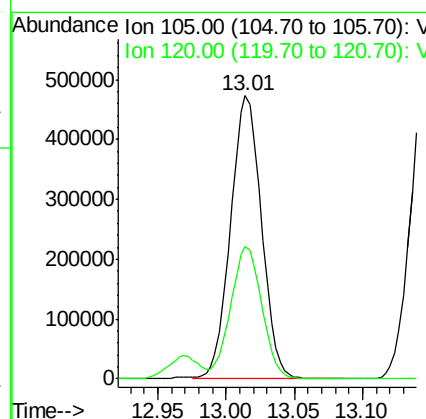
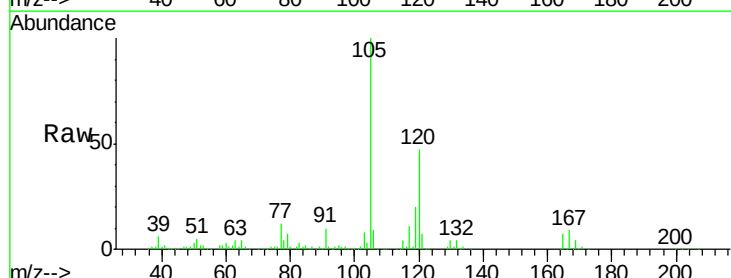
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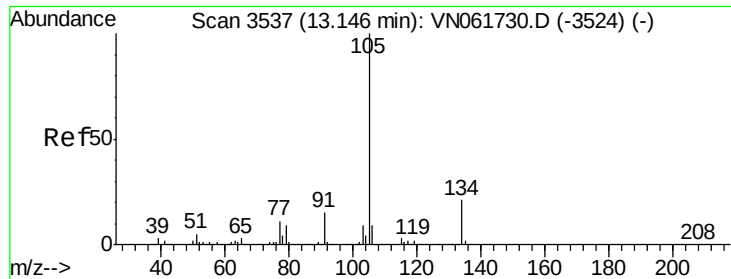
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#80
1,2,4-Trimethylbenzene
Concen: 44.530 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	743577		
120	47.5	0.0	95.4	





#81

sec-Butylbenzene

Concen: 43.437 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:105 Resp: 824281

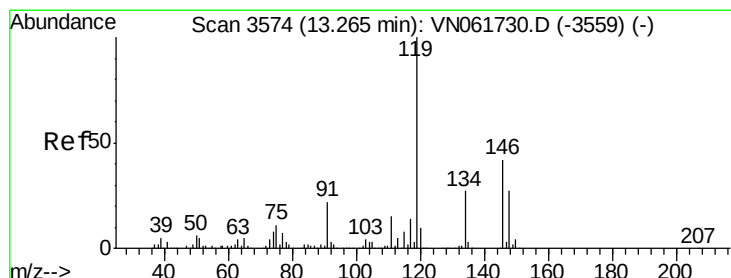
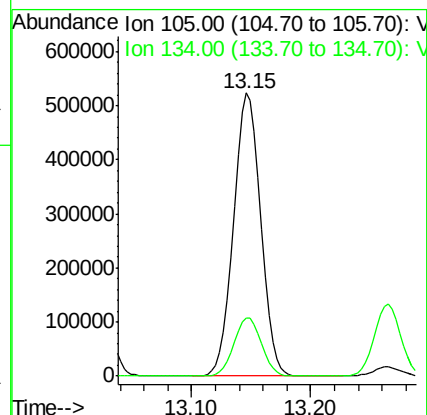
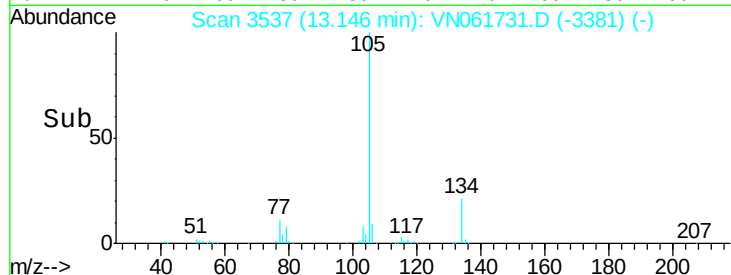
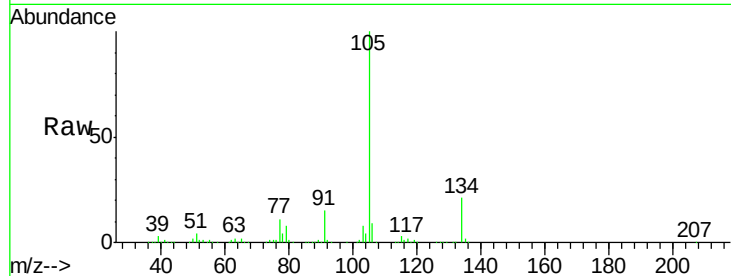
Ion Ratio Lower Upper

105 100

134 21.0 0.0 41.8

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#82

p-Isopropyltoluene

Concen: 44.965 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

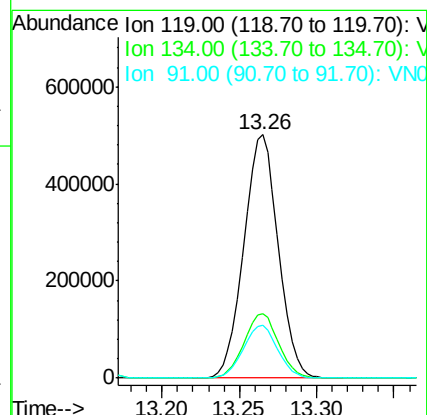
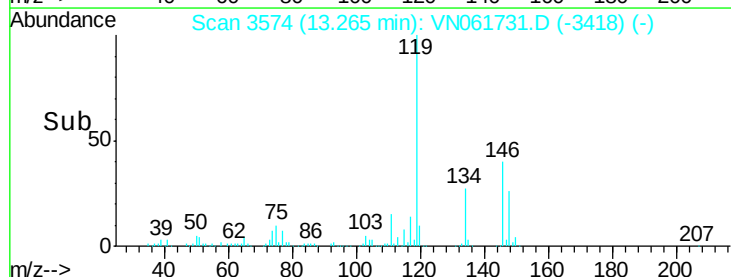
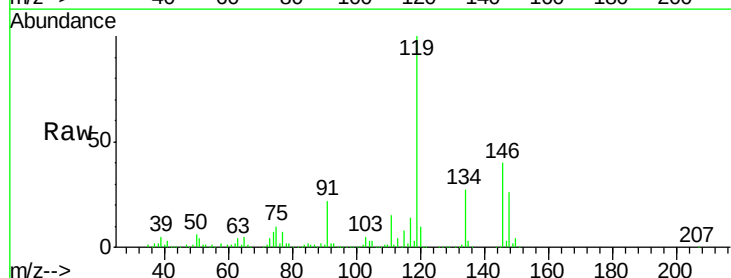
Tgt Ion:119 Resp: 771959

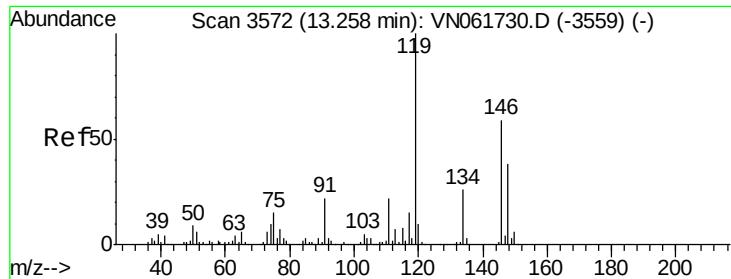
Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.4

91 21.6 0.0 45.2





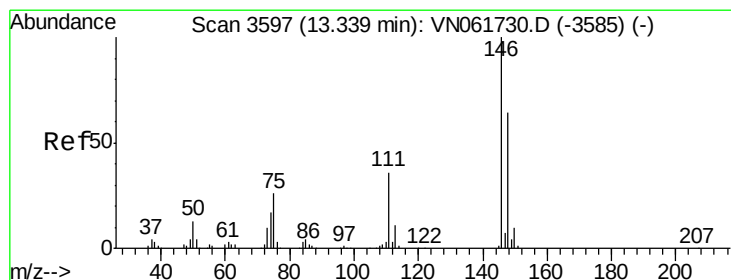
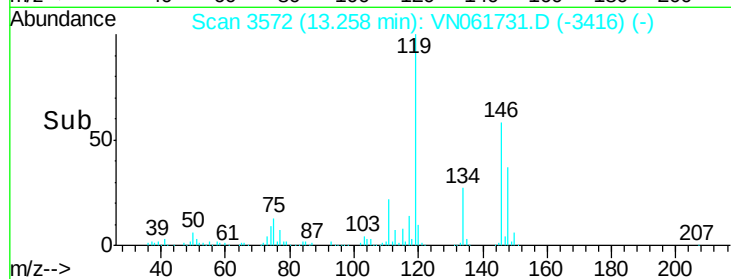
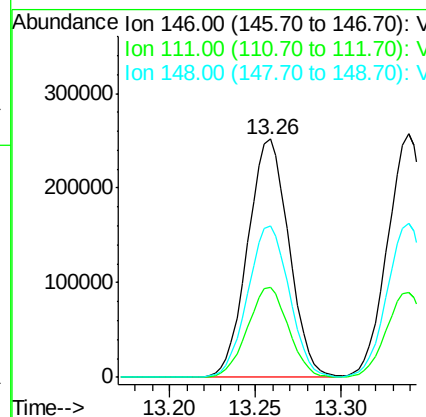
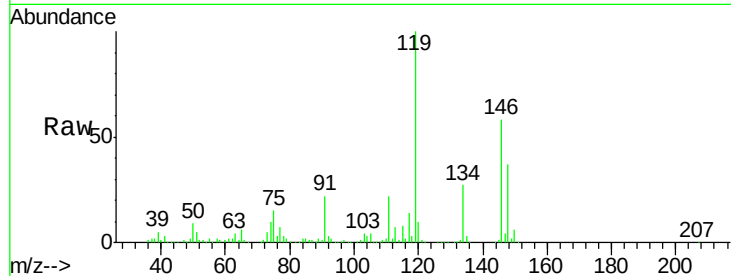
#83
 1,3-Dichlorobenzene
 Concen: 52.426 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.0	31.9	95.5

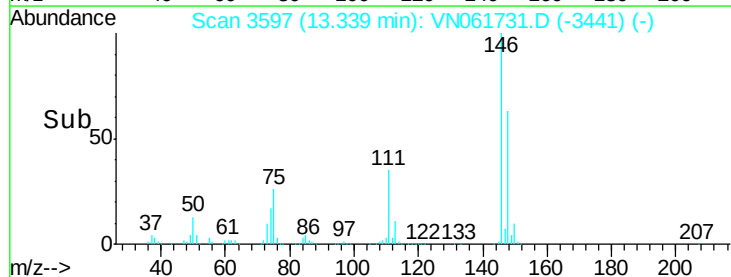
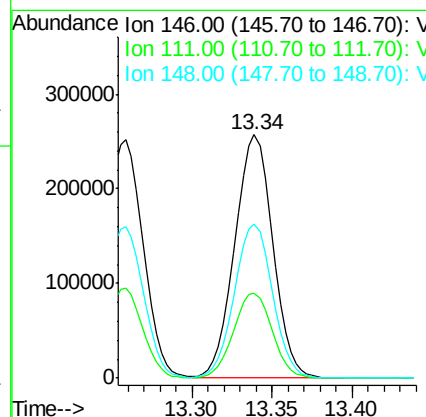
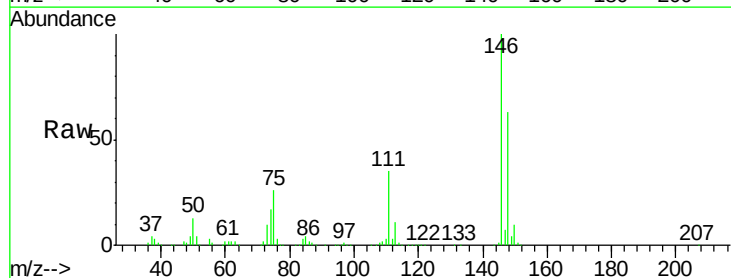
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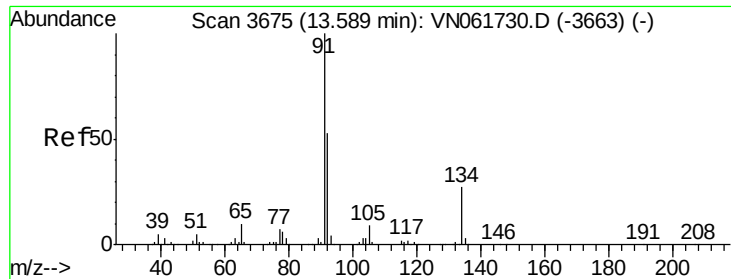
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#84
 1,4-Dichlorobenzene
 Concen: 52.633 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.6	55.8
148	63.6	32.2	96.6





#85

n-Butylbenzene

Concen: 40.844 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Instrument :

MSVOA_N

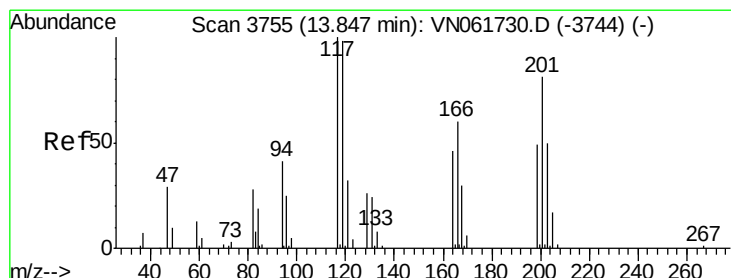
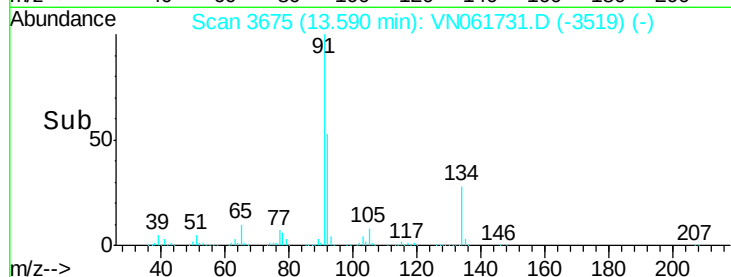
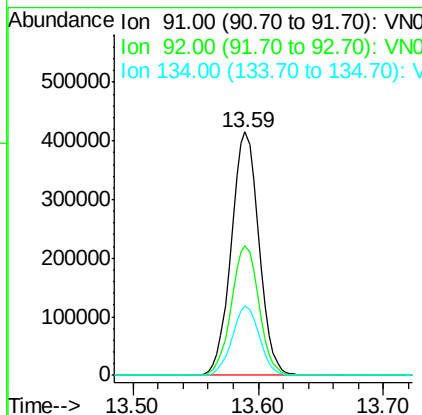
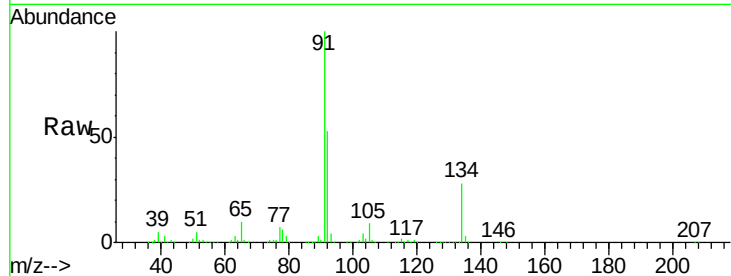
ClientSampleId :

VSTDIC050

Tot Ion:	91	Resp:	636716
Ion	Ratio	Lower	Upper
91	100		
92	53.2	0.0	107.2
134	28.2	0.0	55.8

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#86

Hexachloroethane

Concen: 42.907 ug/l

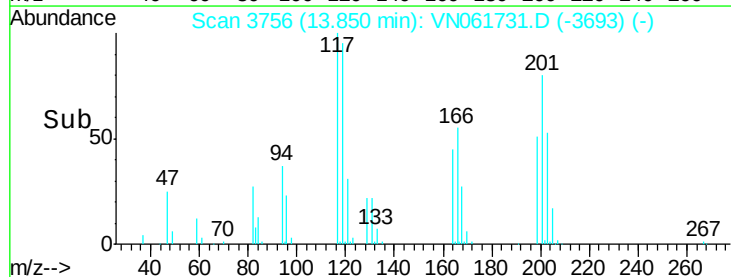
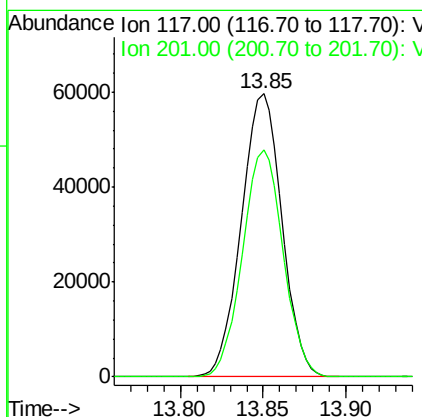
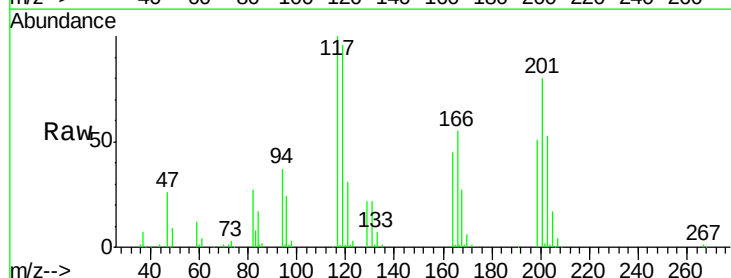
RT: 13.85 min Scan# 3756

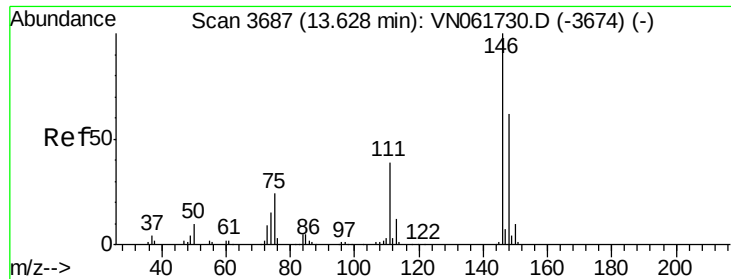
Delta R.T. 0.00 min

Lab File: VN061731.D

Acq: 10 Jun 2020 11:17

Tgt Ion:	117	Resp:	101647
Ion	Ratio	Lower	Upper
117	100		
201	80.3	39.1	117.5





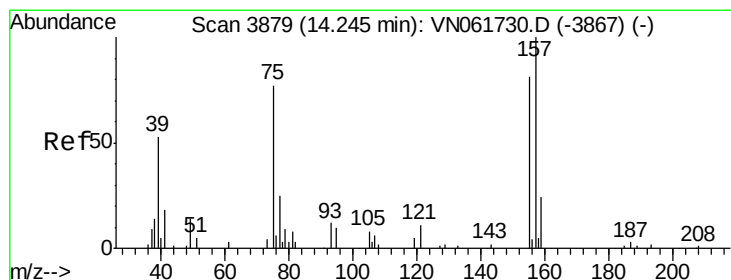
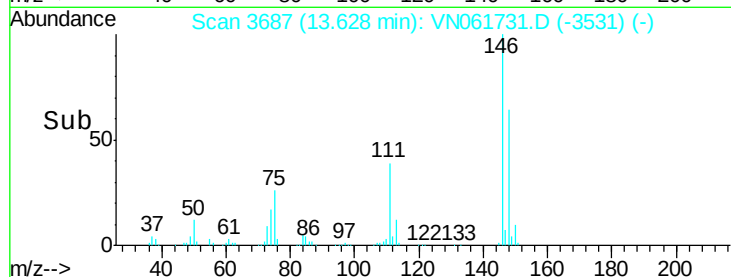
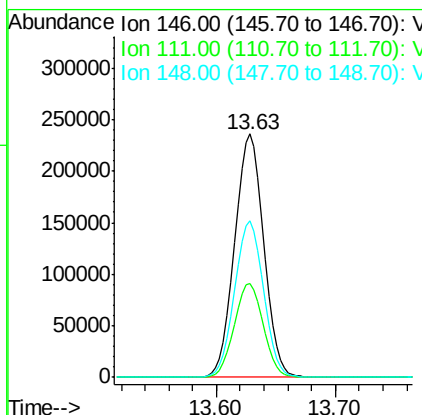
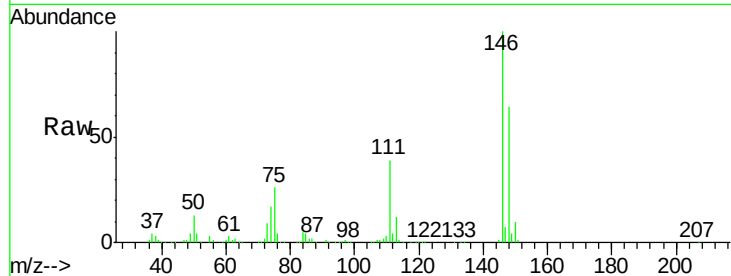
#87
 1,2-Dichlorobenzene
 Concen: 52.875 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	64.0	31.4	94.0

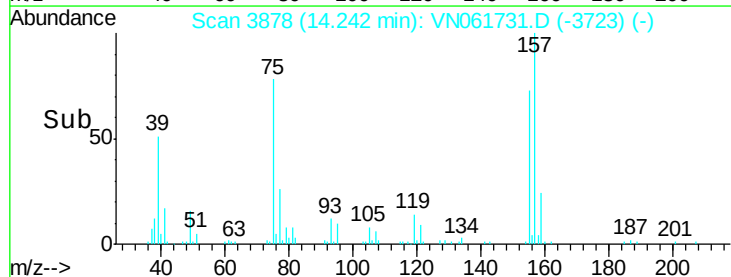
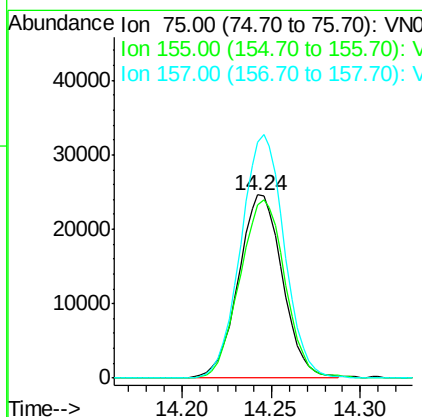
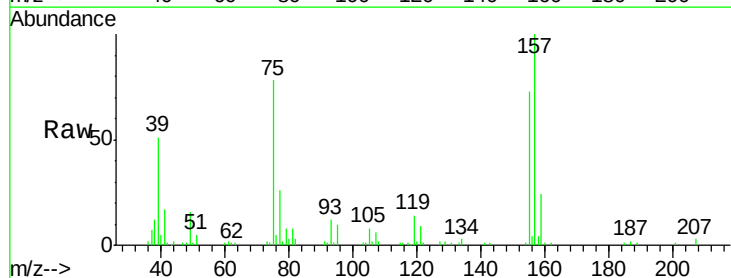
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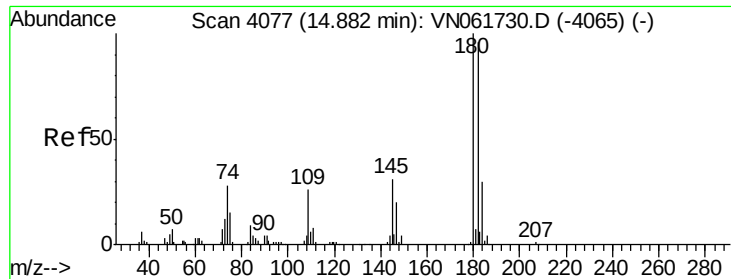
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 37.696 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	79.6	119.4
157	131.3	100.8	151.2





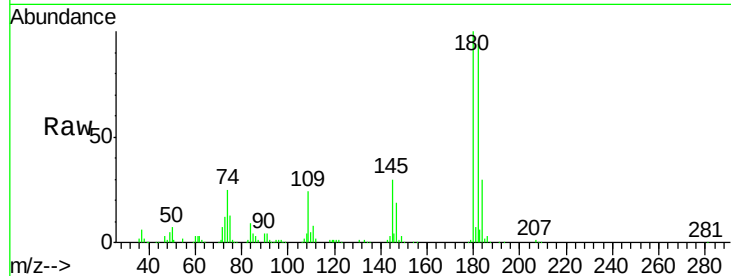
#89
 1,2,4-Trichlorobenzene
 Concen: 55.096 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

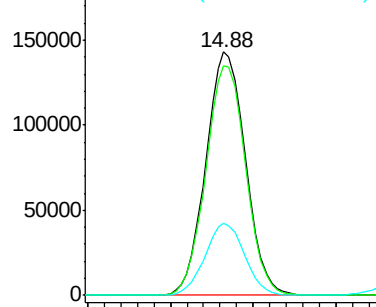
Tot Ion	Ratio	Resp	Lower	Upper
180	100	237748		
182	95.2	75.6	113.4	
145	29.8	24.5	36.7	

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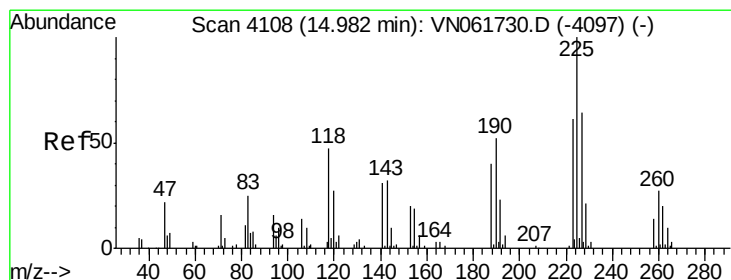
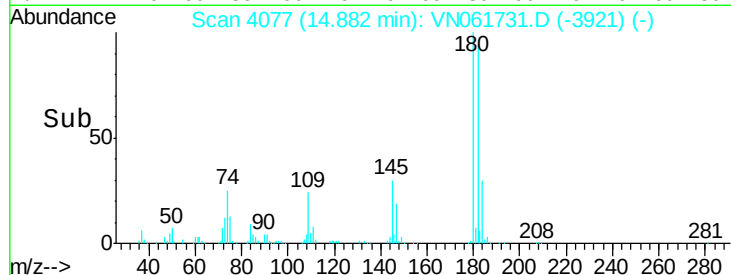
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Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

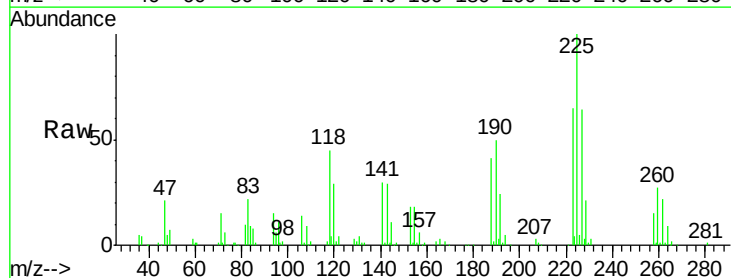


Time--> 14.80 14.85 14.90 14.95

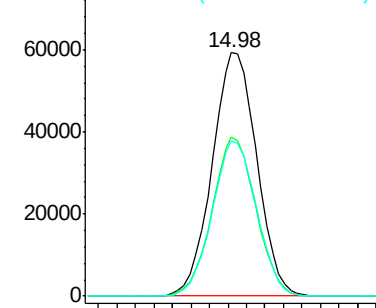


#90
 Hexachlorobutadiene
 Concen: 54.939 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061731.D
 Acq: 10 Jun 2020 11:17

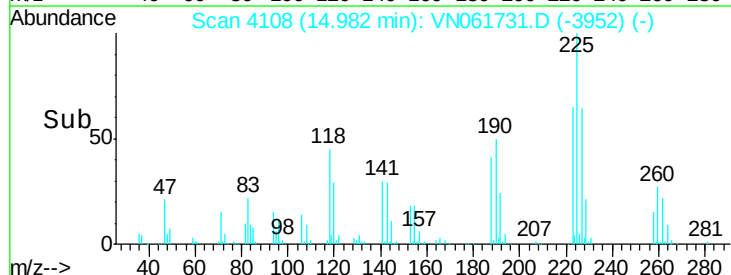
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	99284		
223	64.0	0.0	121.6	
227	63.2	0.0	126.8	

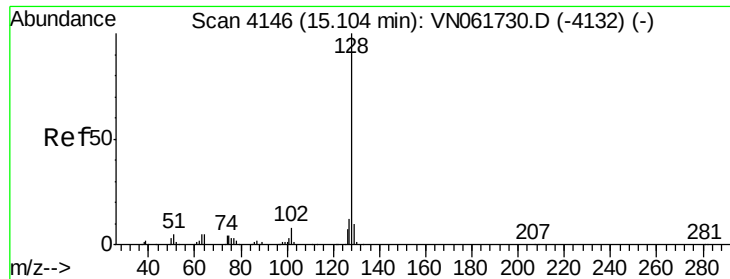


Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V



Time--> 14.95 15.00 15.05





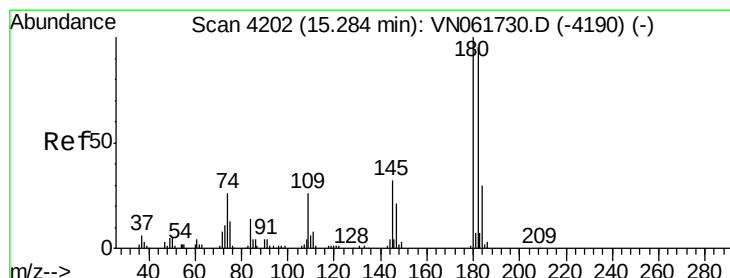
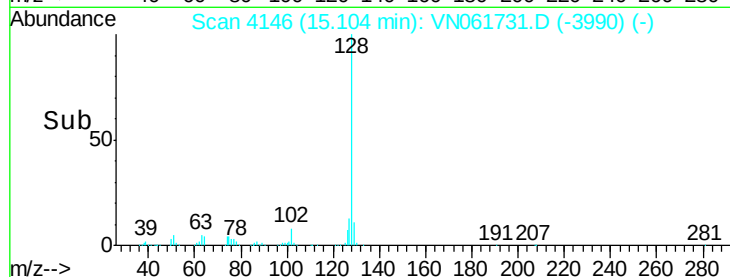
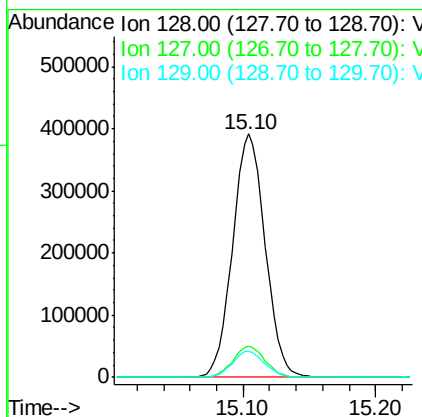
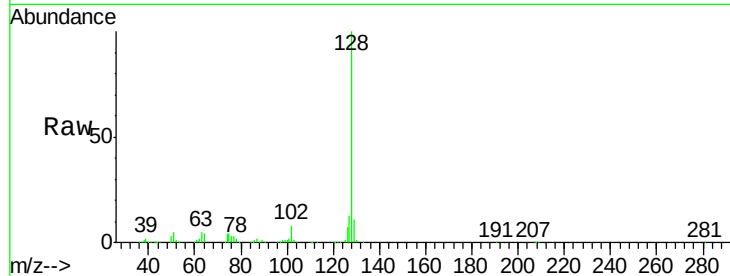
#91
Naphthalene
Concen: 50.203 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.6	12.8

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#92
1,2,3-Trichlorobenzene
Concen: 54.053 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061731.D
Acq: 10 Jun 2020 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	191.0
145	32.2	0.0	64.6

