

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063698.D
 Acq On : 28 Sep 2020 11:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 4:37:55 PM

Quant Time: Sep 29 00:46:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	234894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	389995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	371563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	185801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	214800	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	7.55	113	149743	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
50) Toluene-d8	10.06	98	539091	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.38	95	209240	56.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	113876	42.792	ug/l	98
3) Chloromethane	2.04	50	144535	41.056	ug/l	97
4) Vinyl Chloride	2.16	62	142385	45.651	ug/l	97
5) Bromomethane	2.52	94	96100	51.893	ug/l	100
6) Chloroethane	2.67	64	91900	48.000	ug/l	97
7) Trichlorofluoromethane	2.98	101	232622	49.988	ug/l	98
8) Diethyl Ether	3.37	74	86611	47.744	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	127454	48.701	ug/l	99
10) Methyl Iodide	3.91	142	161092	47.279	ug/l	97
11) Tert butyl alcohol	4.73	59	125171	225.967	ug/l	97
12) 1,1-Dichloroethene	3.69	96	120112	45.313	ug/l	98
13) Acrolein	3.57	56	47247	230.158	ug/l	99
14) Allyl chloride	4.27	41	238216	45.433	ug/l	95
15) Acrylonitrile	4.93	53	345503	245.206	ug/l	99
16) Acetone	3.77	43	325488	253.287	ug/l	100
17) Carbon Disulfide	4.01	76	313246	40.626	ug/l	99
18) Methyl Acetate	4.27	43	178679	54.771	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	483022	48.892	ug/l	99
20) Methylene Chloride	4.50	84	152889	46.958	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	134038	45.640	ug/l	93
22) Diisopropyl ether	5.90	45	517876	48.429	ug/l	99
23) Vinyl Acetate	5.84	43	2151734	245.010	ug/l	99
24) 1,1-Dichloroethane	5.79	63	279678	47.905	ug/l	99
25) 2-Butanone	6.78	43	485853	245.829	ug/l	98
26) 2,2-Dichloropropane	6.77	77	232995	45.328	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	163696	49.245	ug/l	98
28) Bromochloromethane	7.15	49	134263	49.807	ug/l	97
29) Tetrahydrofuran	7.16	42	315653	233.847	ug/l	100
30) Chloroform	7.32	83	293847	50.167	ug/l	100
31) Cyclohexane	7.61	56	215633	39.047	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	260540	50.010	ug/l	99
36) 1,1-Dichloropropene	7.75	75	202374	48.708	ug/l	100
37) Ethyl Acetate	6.88	43	206018	50.522	ug/l	100
38) Carbon Tetrachloride	7.73	117	221308	52.180	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	194331	43.095	ug/l	98
40) Benzene	8.00	78	590261	49.767	ug/l	99
41) Methacrylonitrile	7.13	41	103662m	56.521	ug/l	
42) 1,2-Dichloroethane	8.08	62	262516	55.038	ug/l	99
43) Isopropyl Acetate	8.12	43	363341	49.831	ug/l	99
44) Trichloroethene	8.80	130	145758	50.668	ug/l	98
45) 1,2-Dichloropropane	9.08	63	167204	51.761	ug/l	95
46) Dibromomethane	9.17	93	114249	53.811	ug/l	98
47) Bromodichloromethane	9.37	83	242323	54.939	ug/l	99
48) Methyl methacrylate	9.16	41	178702	49.884	ug/l	97
49) 1,4-Dioxane	9.16	88	51769	1006.997	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1096063	268.508	ug/l	98
52) Toluene	10.12	92	378122	53.025	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	262300	53.268	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	271440	52.261	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	159599	56.346	ug/l	98
56) Ethyl methacrylate	10.40	69	232534	52.588	ug/l	98
57) 1,3-Dichloropropane	10.68	76	267235	52.318	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	589914	254.319	ug/l	97
59) 2-Hexanone	10.72	43	804014	271.871	ug/l	99
60) Dibromochloromethane	10.87	129	183342	57.296	ug/l	98
61) 1,2-Dibromoethane	10.98	107	160197	54.439	ug/l	97
64) Tetrachloroethene	10.60	164	139866	55.281	ug/l	98
65) Chlorobenzene	11.41	112	396297	50.245	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	157636	54.523	ug/l	99
67) Ethyl Benzene	11.48	91	744805	50.145	ug/l	100
68) m/p-Xylenes	11.59	106	549083	102.530	ug/l	100
69) o-Xylene	11.92	106	262247	51.406	ug/l	99
70) Styrene	11.94	104	463521	54.181	ug/l	100
71) Bromoform	12.10	173	122486	56.869	ug/l #	99
73) Isopropylbenzene	12.22	105	706891	47.477	ug/l	99
74) N-amyl acetate	12.05	43	328379	46.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	227338	49.313	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	211503m	45.991	ug/l	
77) Bromobenzene	12.50	156	176048	52.564	ug/l	93
78) n-propylbenzene	12.57	91	831605	47.954	ug/l	99
79) 2-Chlorotoluene	12.65	91	507636	48.833	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	612010	49.294	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	78239	46.643	ug/l	96
82) 4-Chlorotoluene	12.75	91	536698	48.864	ug/l	99
83) tert-Butylbenzene	12.97	119	485895	47.418	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	620151	49.451	ug/l	99
85) sec-Butylbenzene	13.15	105	649547	47.356	ug/l	99
86) p-Isopropyltoluene	13.26	119	593292	49.040	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	319375	51.449	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	318428	50.454	ug/l	100
89) n-Butylbenzene	13.59	91	513518	46.050	ug/l	99
90) Hexachloroethane	13.85	117	110870	48.128	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	316201	51.883	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	53645	48.866	ug/l	99

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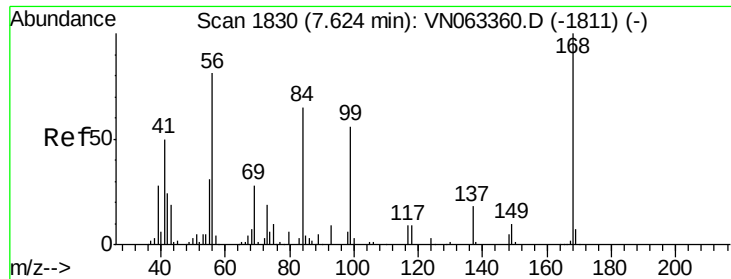
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	169328	47.128	ug/l	99
94) Hexachlorobutadiene	14.98	225	79238	53.272	ug/l	99
95) Naphthalene	15.10	128	514386	43.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	165364	47.634	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 234894

Ion Ratio Lower Upper

168 100

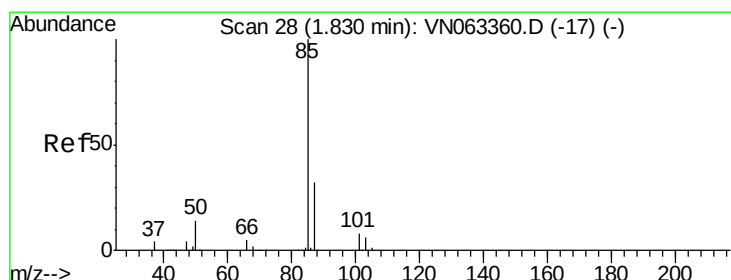
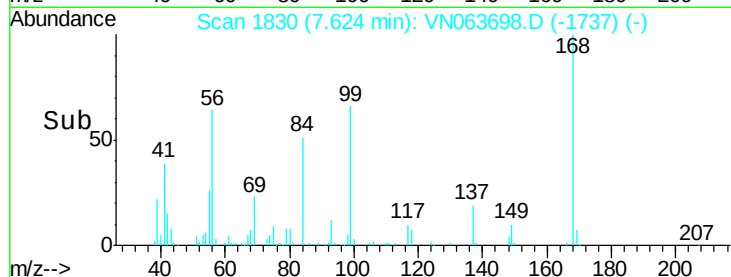
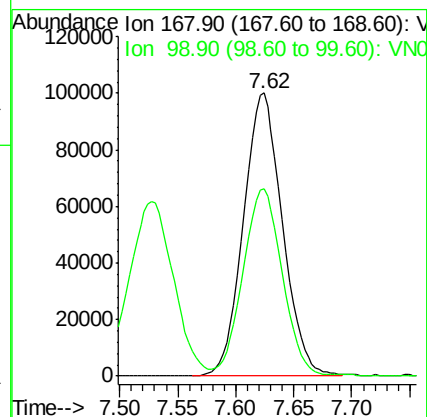
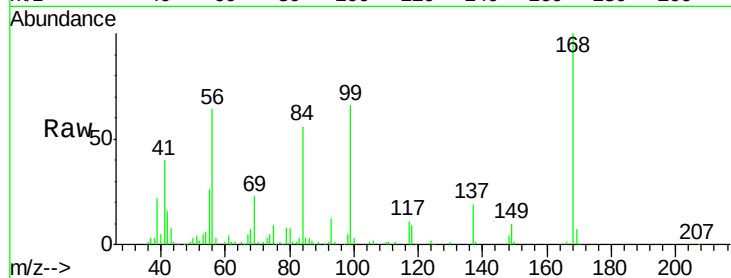
99 65.6 53.0 79.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 42.792 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063698.D

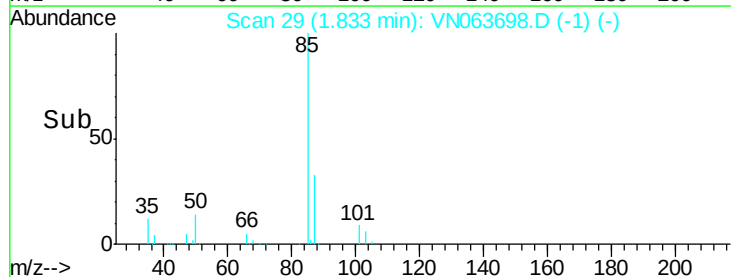
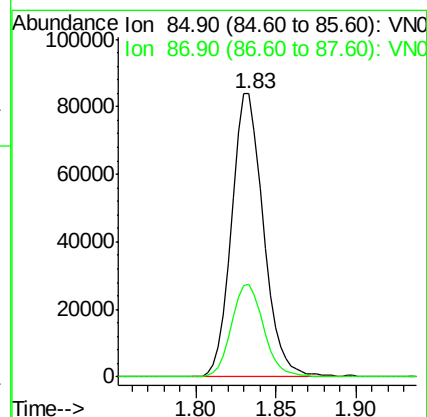
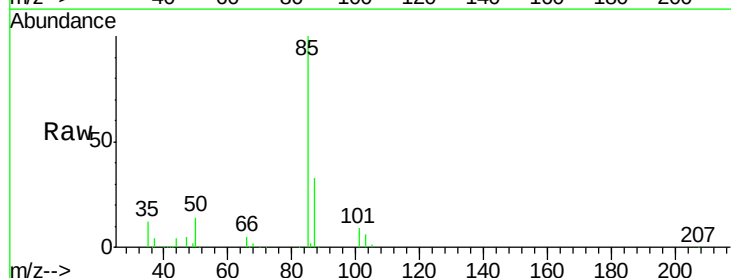
Acq: 28 Sep 2020 11:59

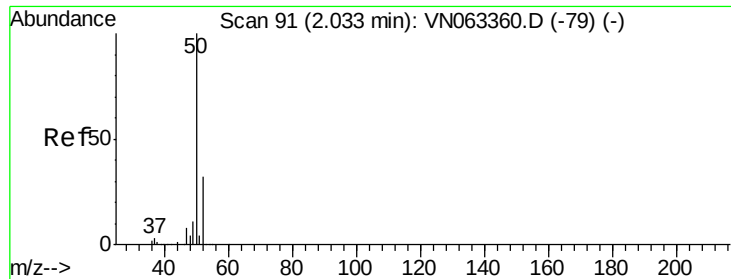
Tgt Ion: 85 Resp: 113876

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.6





#3

Chloromethane

Concen: 41.056 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 144535

Ion Ratio Lower Upper

50 100

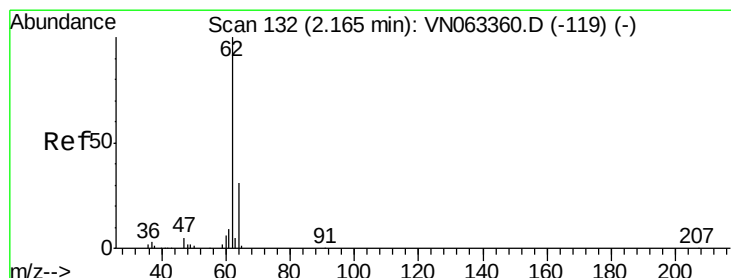
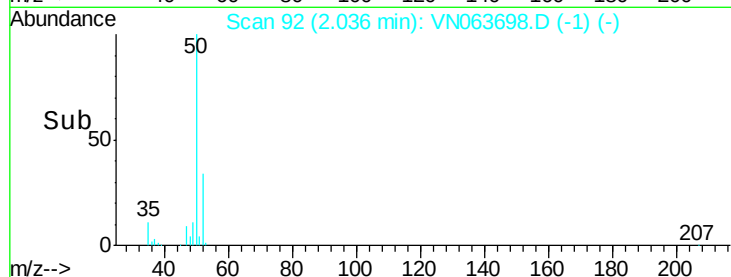
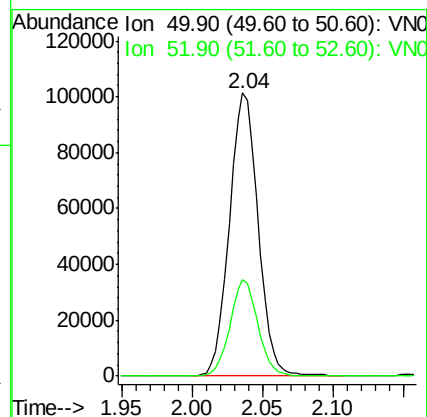
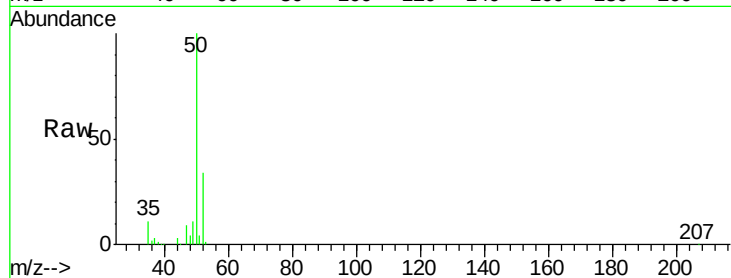
52 33.9 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.651 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063698.D

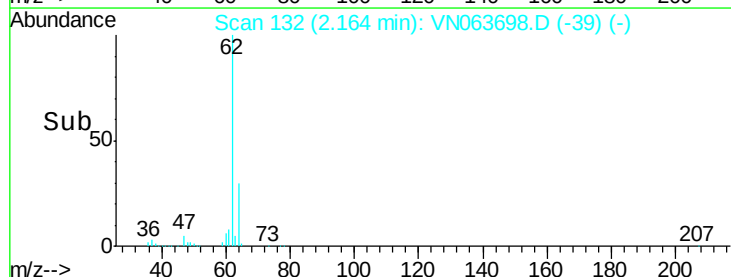
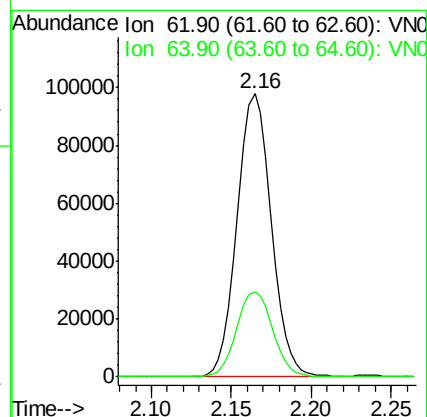
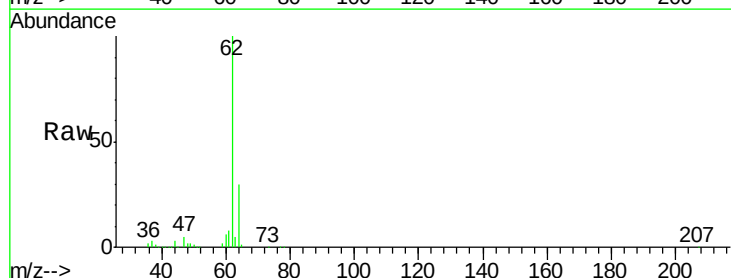
Acq: 28 Sep 2020 11:59

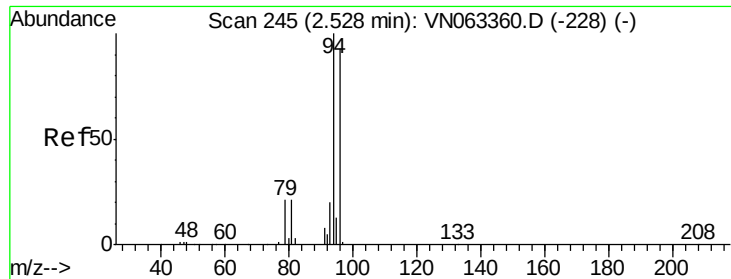
Tgt Ion: 62 Resp: 142385

Ion Ratio Lower Upper

62 100

64 30.0 25.1 37.7





#5

Bromomethane

Concen: 51.893 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 96100

Ion Ratio Lower Upper

94 100

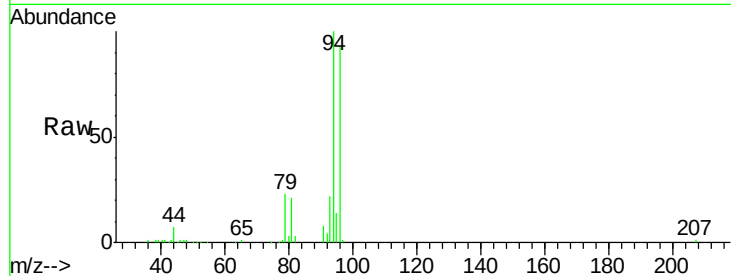
96 92.8 74.5 111.7

Manual Integrations

APPROVED

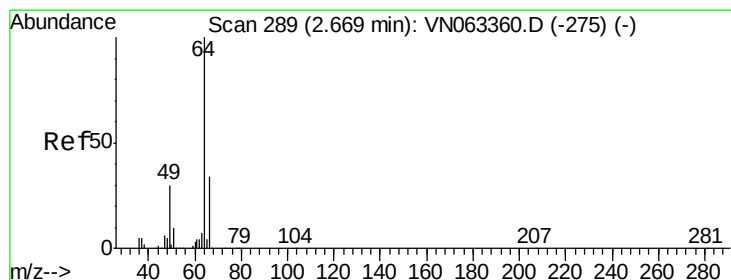
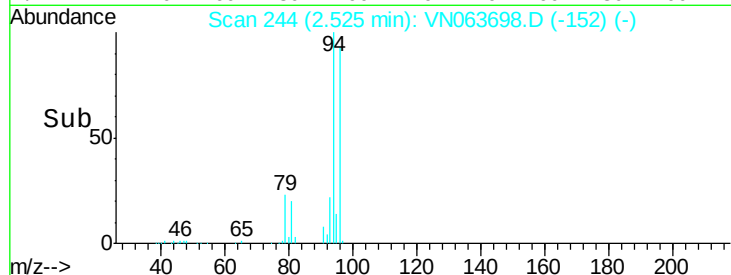
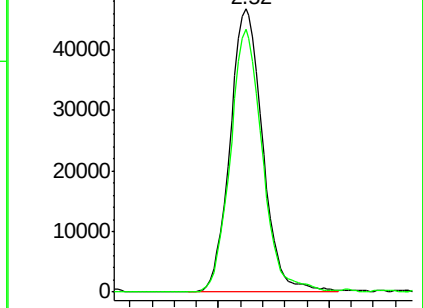
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Abundance Ion 93.90 (93.60 to 94.60): VN063360.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN063360.D (-228) (-)



#6

Chloroethane

Concen: 48.000 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063698.D

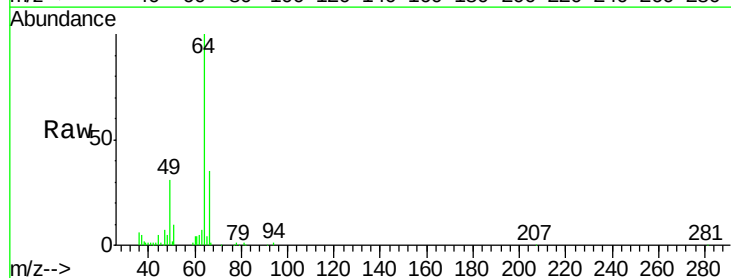
Acq: 28 Sep 2020 11:59

Tgt Ion: 64 Resp: 91900

Ion Ratio Lower Upper

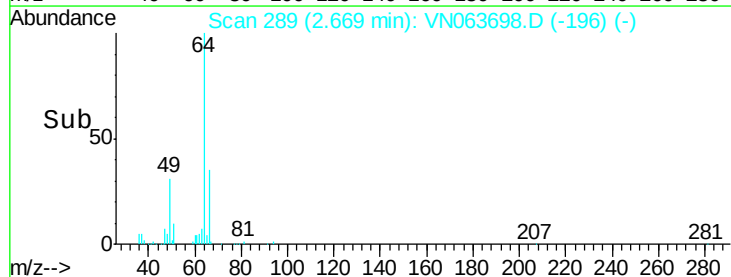
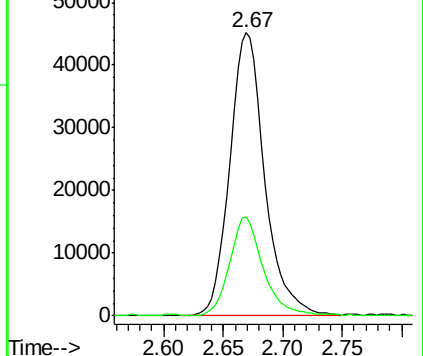
64 100

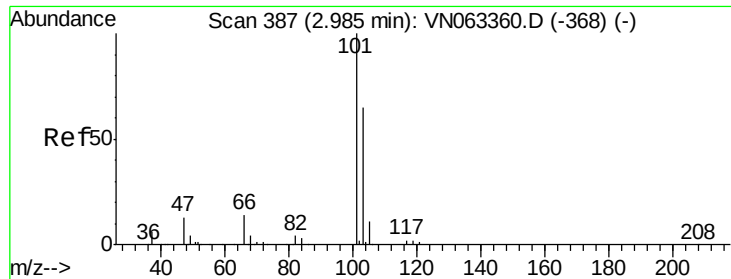
66 35.1 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN063360.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN063360.D (-275) (-)





#7

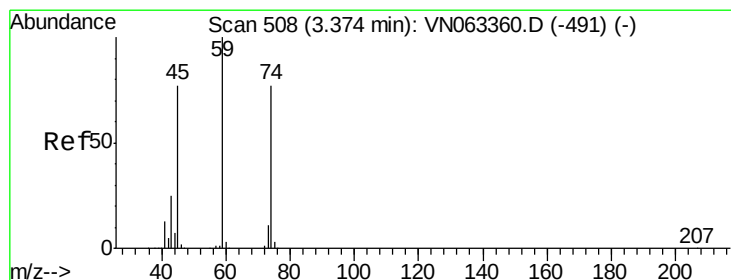
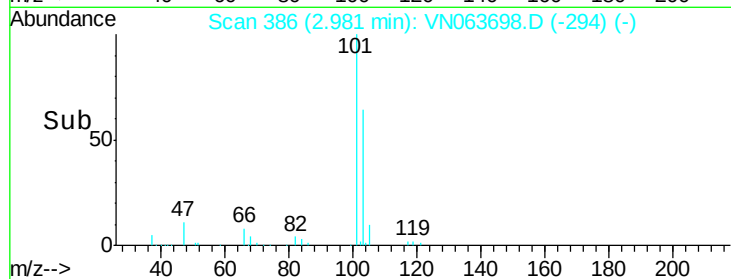
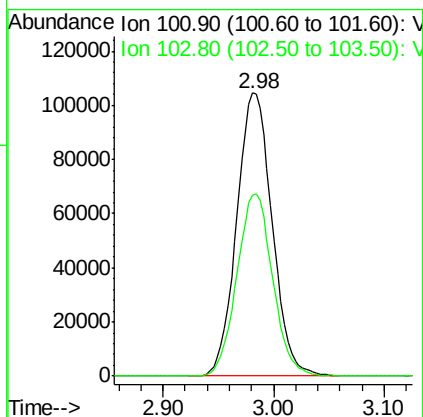
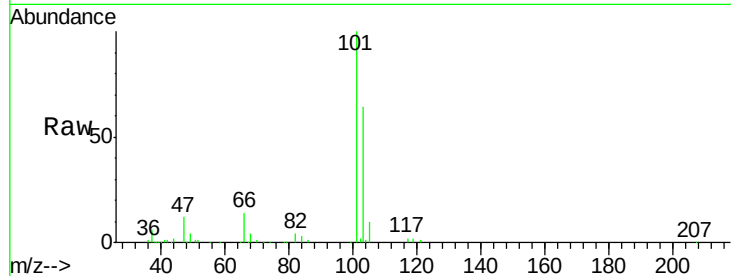
Trichlorofluoromethane
Concen: 49.988 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

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VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		232622		
103	64.0	52.3	78.5		

Manual Integrations
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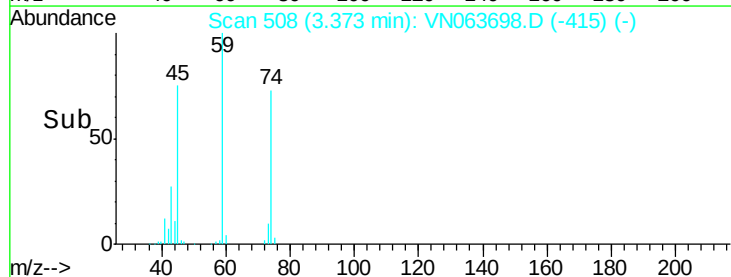
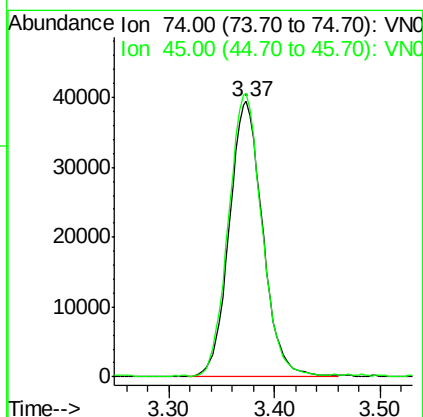
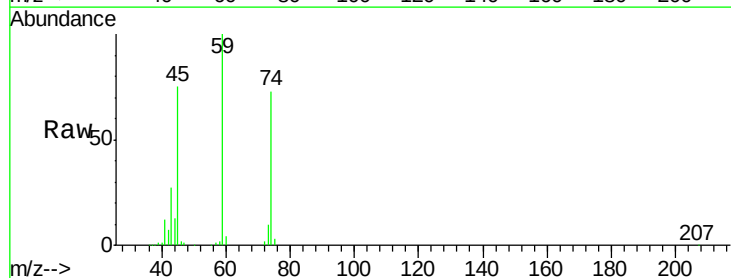
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9/29/2020 4:37:55 PM

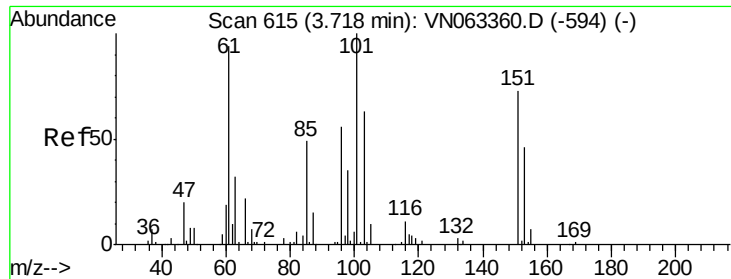


#8

Diethyl Ether
Concen: 47.744 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		86611		
45	103.4	52.1	156.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.701 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

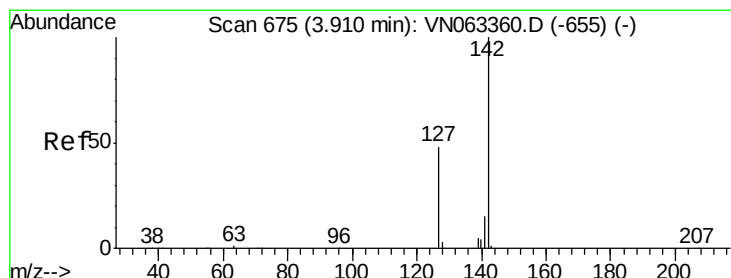
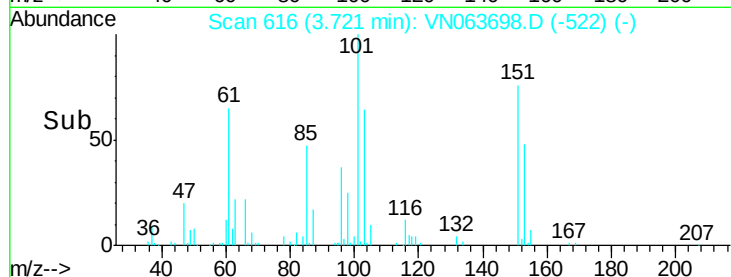
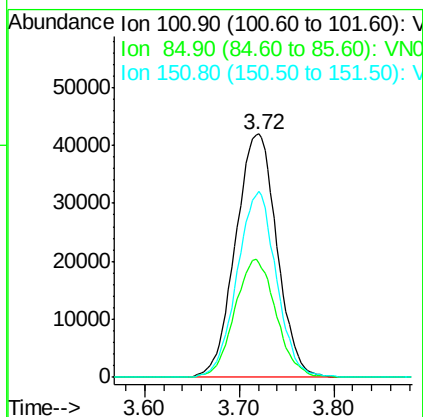
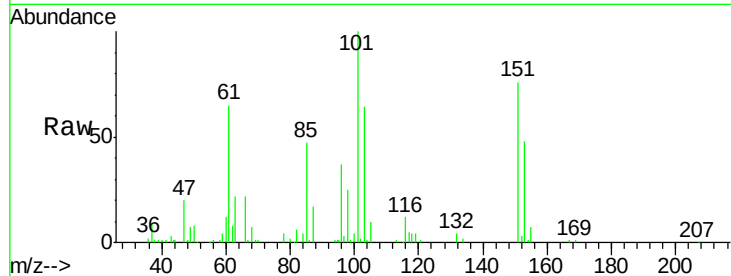
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	127454
Ion Ratio	Lower	Upper	
101	100		
85	48.1	37.7	56.5
151	72.4	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 47.279 ug/l

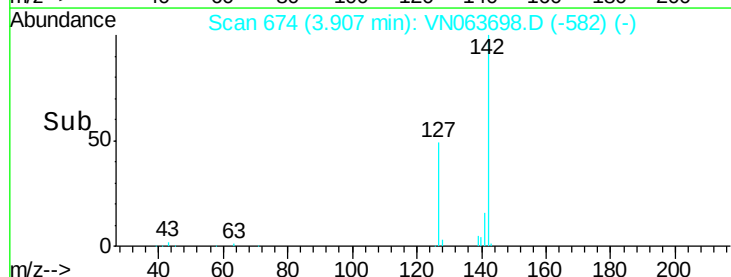
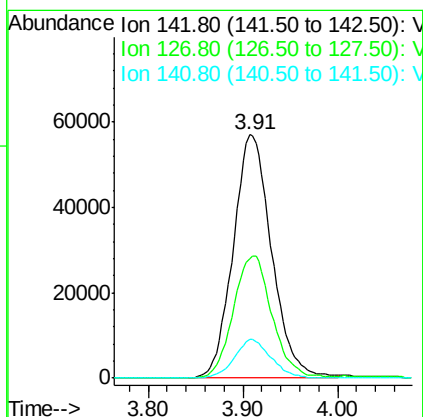
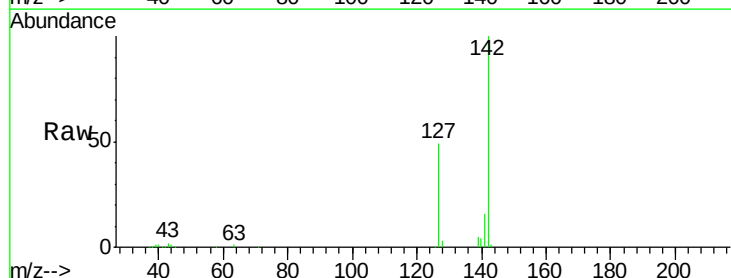
RT: 3.91 min Scan# 674

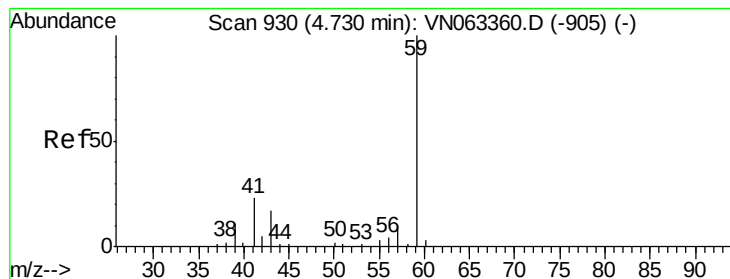
Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Tgt Ion:	142	Resp:	161092
Ion Ratio	Lower	Upper	
142	100		
127	50.9	39.0	58.6
141	15.0	11.6	17.4





#11

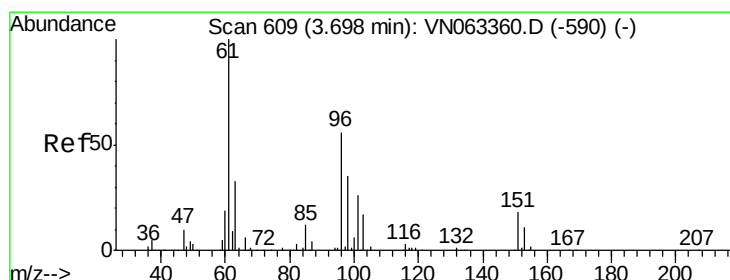
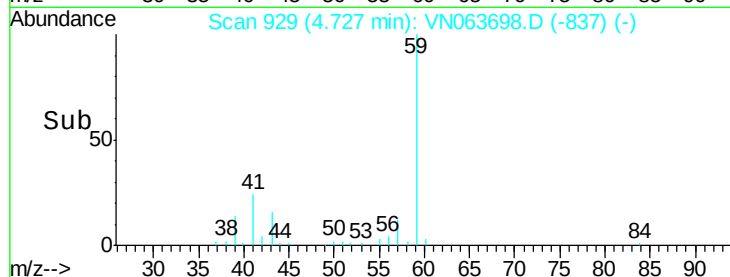
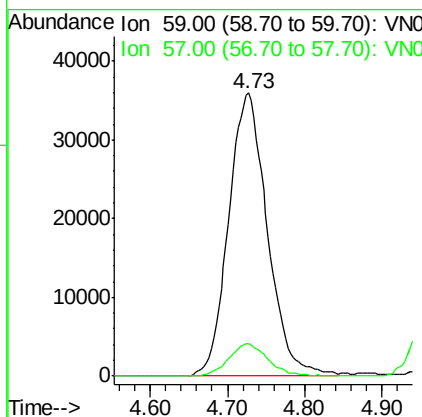
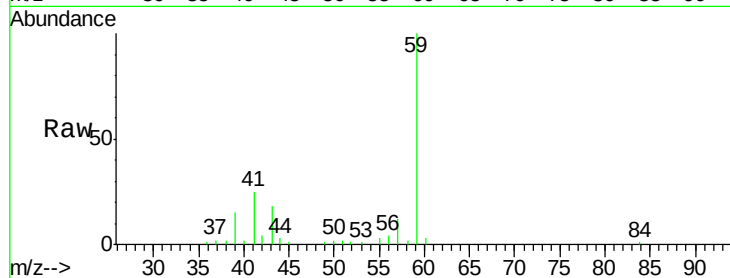
Tert butyl alcohol
 Concen: 225.967 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.4	12.6

Manual Integrations
 APPROVED

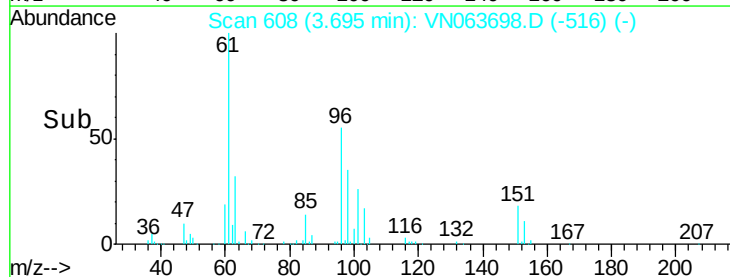
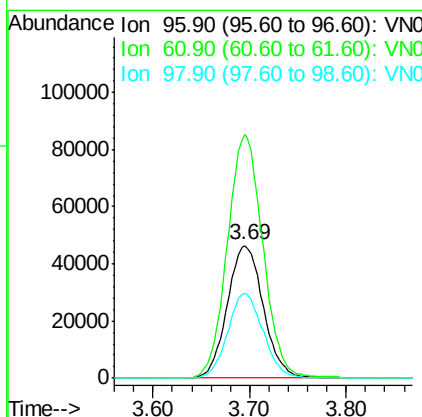
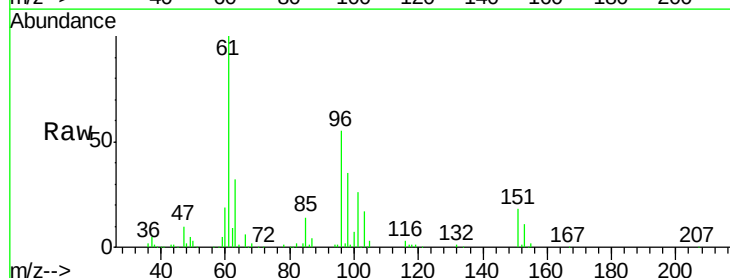
MMDadoda
 9/29/2020 4:37:55 PM

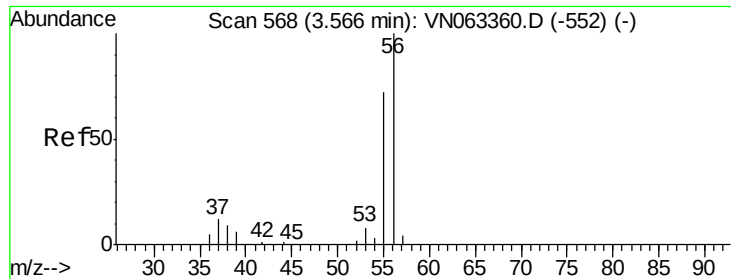


#12

1,1-Dichloroethene
 Concen: 45.313 ug/l
 RT: 3.69 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.4	143.4	215.2
98	63.5	50.6	76.0





#13

Acrolein

Concen: 230.158 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47247

Ion Ratio Lower Upper

56 100

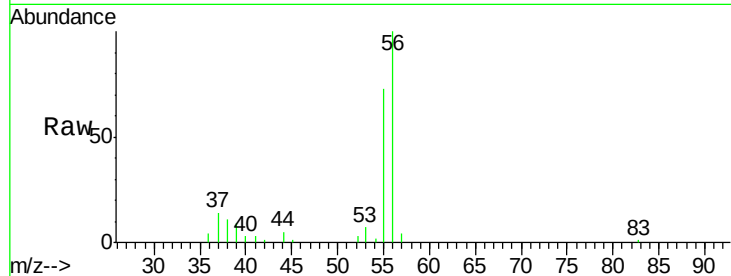
55 72.0 58.2 87.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

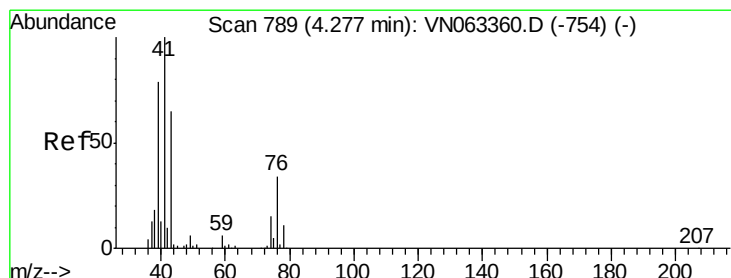
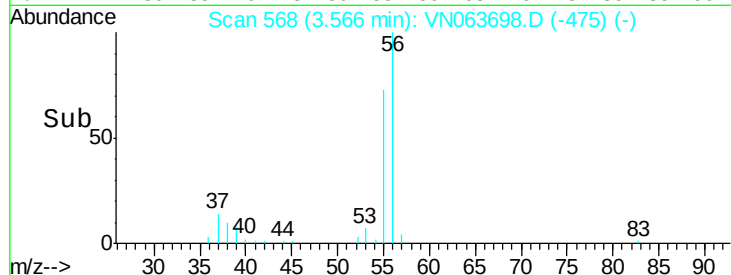
10000

5000

0

3.50 3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 45.433 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

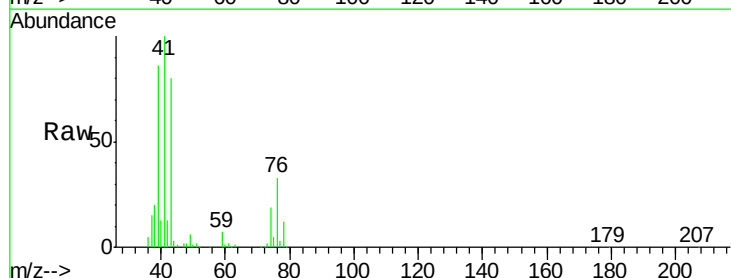
Tgt Ion: 41 Resp: 238216

Ion Ratio Lower Upper

41 100

39 79.4 59.3 88.9

76 30.7 25.3 37.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

100000

80000

60000

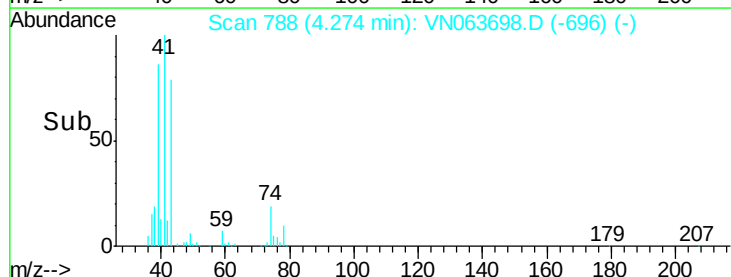
40000

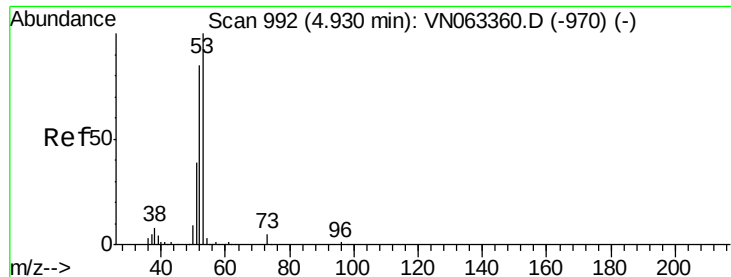
20000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 245.206 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

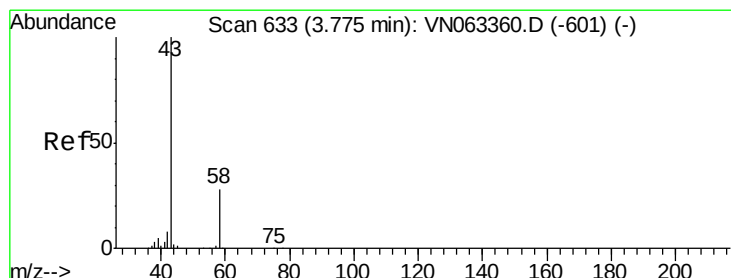
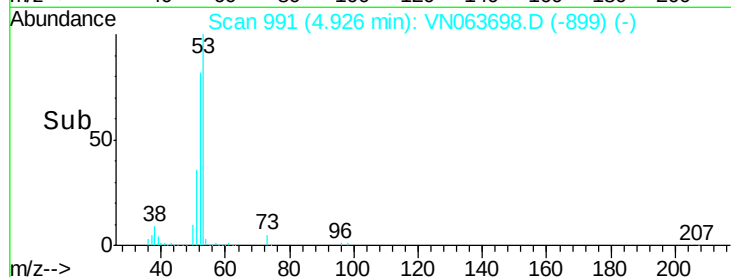
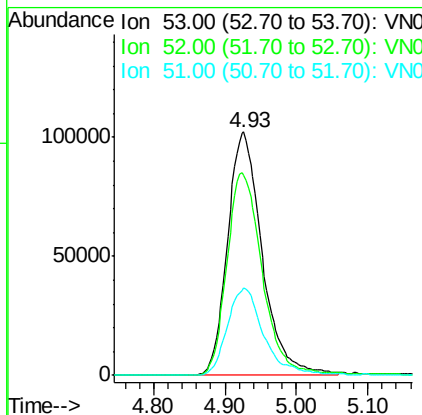
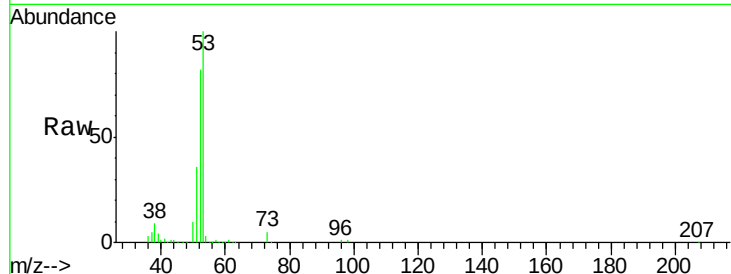
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	345503
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.4	99.6
51	38.0	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 253.287 ug/l

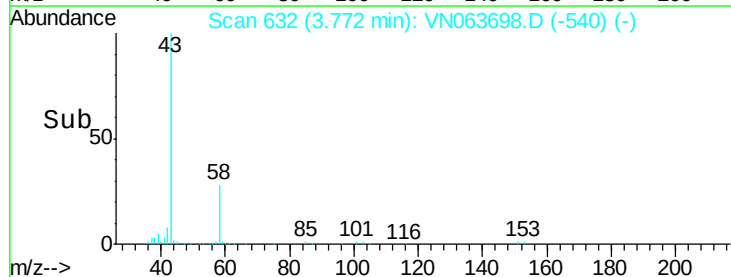
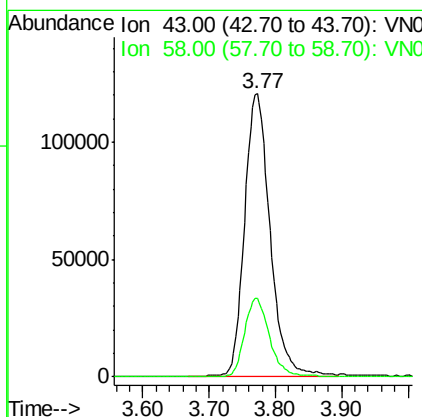
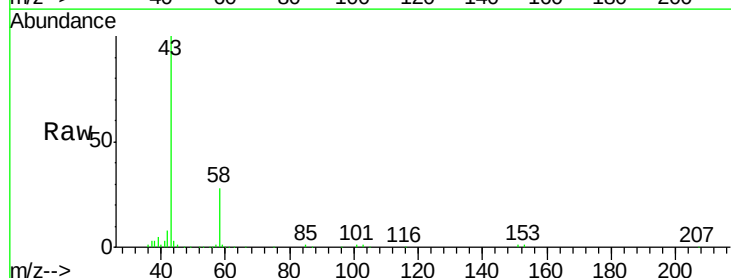
RT: 3.77 min Scan# 632

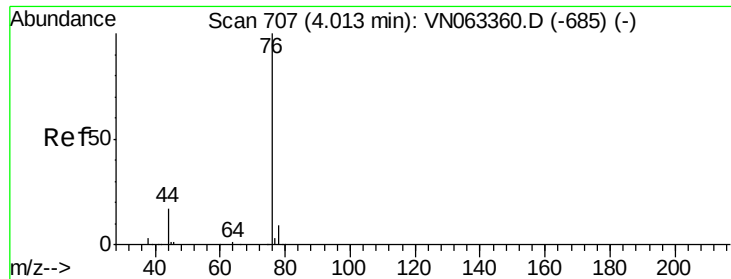
Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Tgt Ion:	43	Resp:	325488
Ion Ratio	Lower	Upper	
43	100		
58	27.8	22.3	33.5





#17

Carbon Disulfide

Concen: 40.626 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 313246

Ion Ratio Lower Upper

76 100

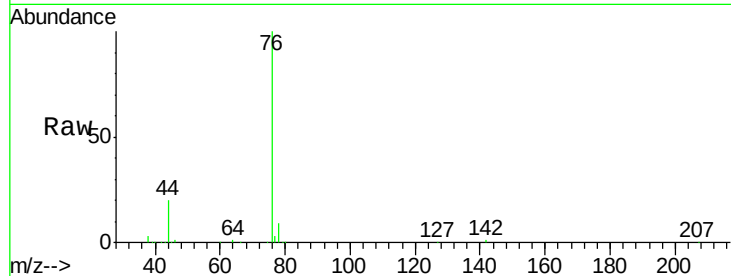
78 8.8 7.2 10.8

Manual Integrations

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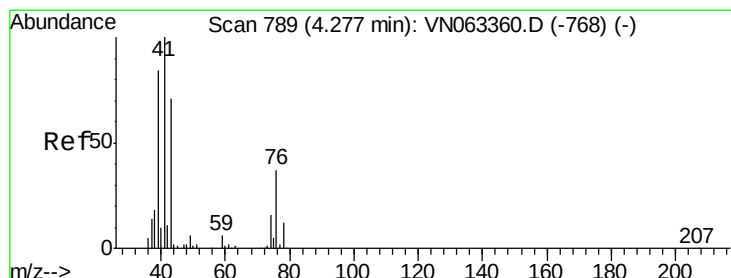
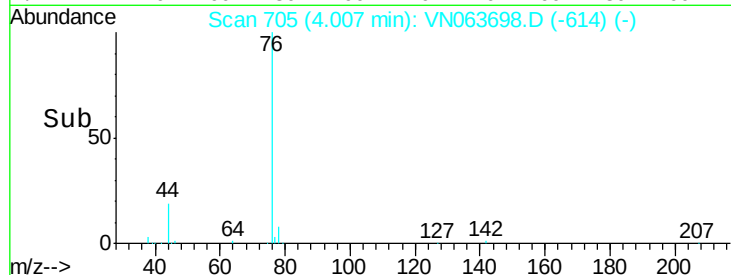
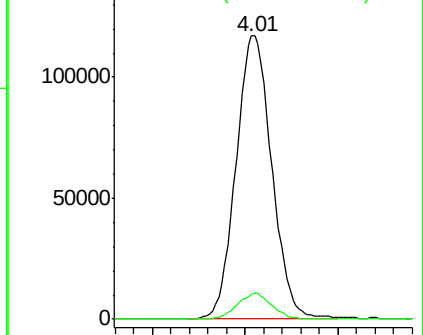
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 54.771 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063698.D

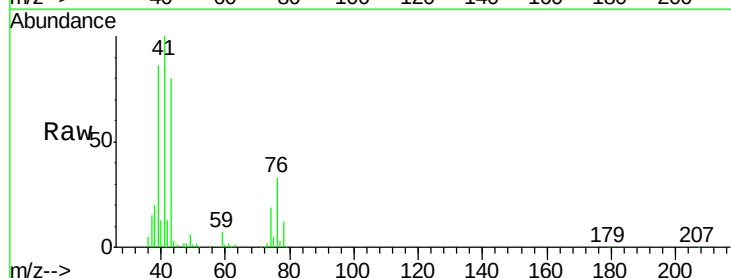
Acq: 28 Sep 2020 11:59

Tgt Ion: 43 Resp: 178679

Ion Ratio Lower Upper

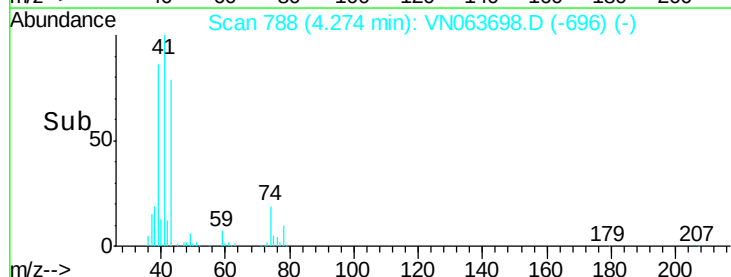
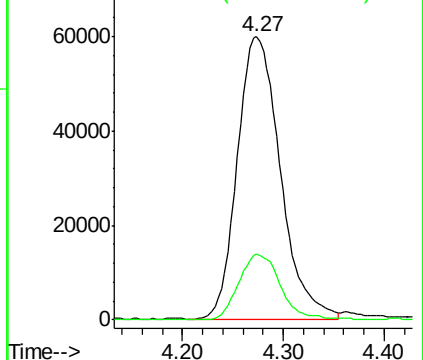
43 100

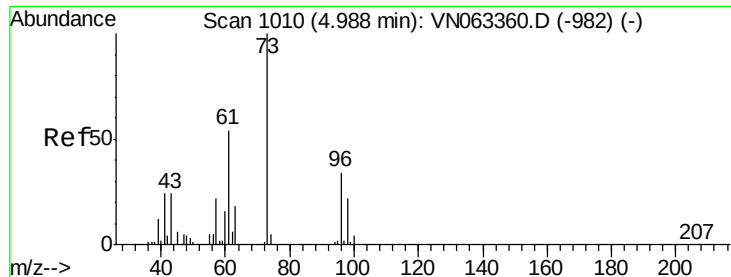
74 22.1 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

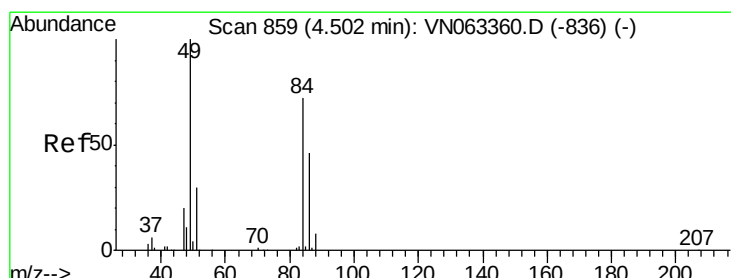
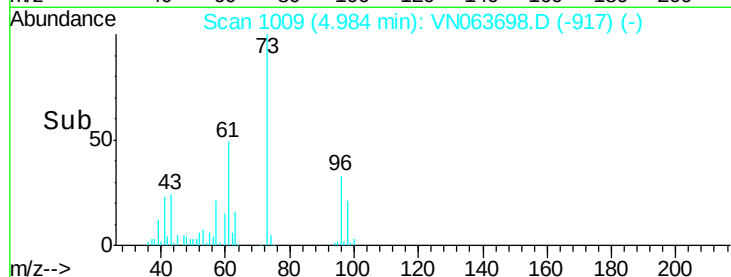
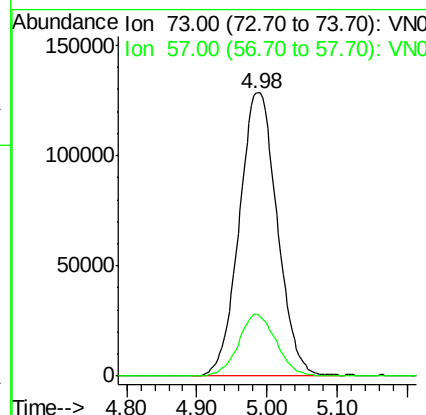
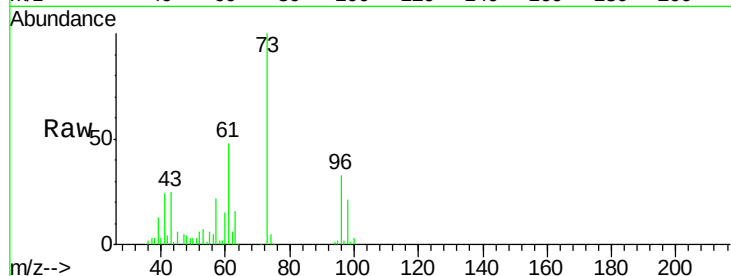
Methyl tert-butyl Ether
 Concen: 48.892 ug/l
 RT: 4.98 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.9	26.9

Manual Integrations
 APPROVED

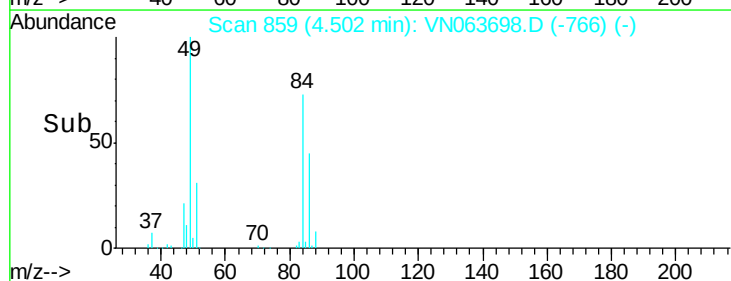
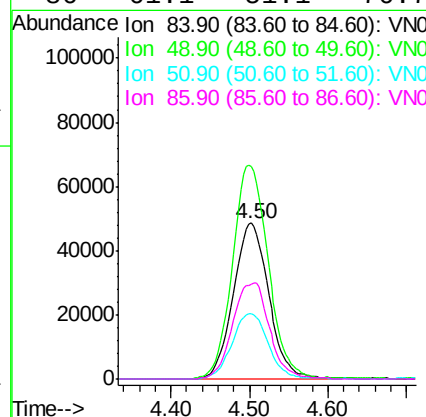
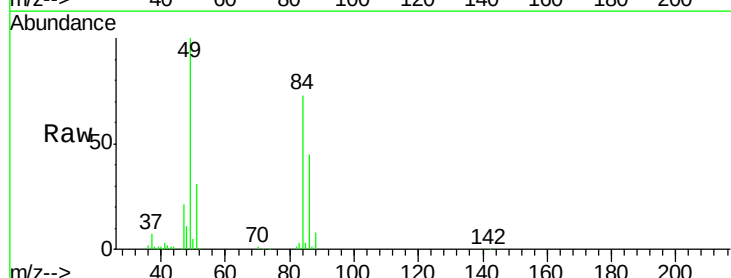
MMDadoda
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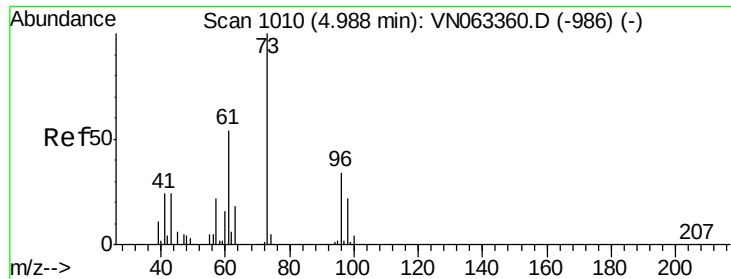


#20

Methylene Chloride
 Concen: 46.958 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.6	110.7	166.1
51	41.8	32.9	49.3
86	61.1	51.1	76.7





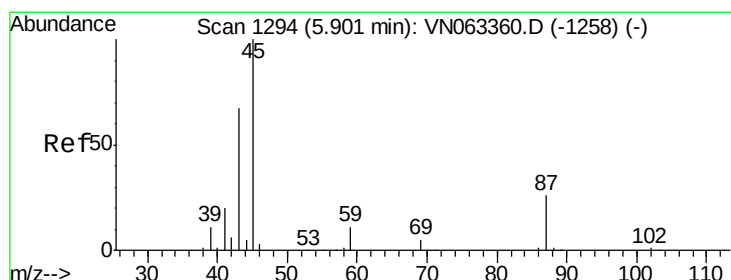
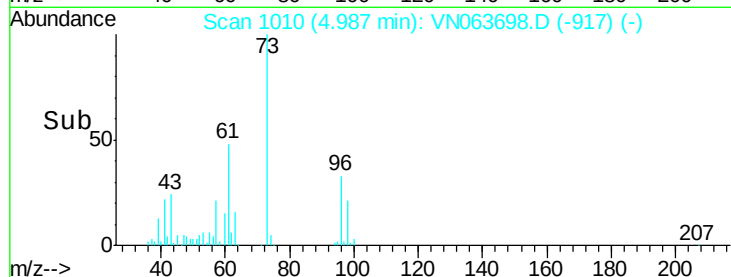
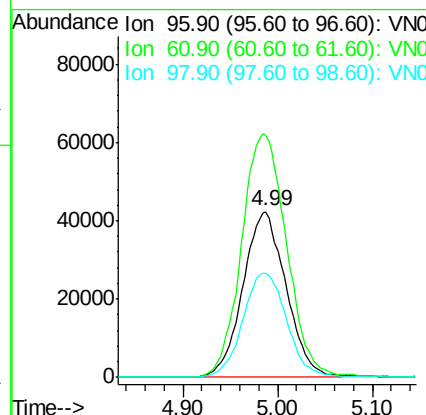
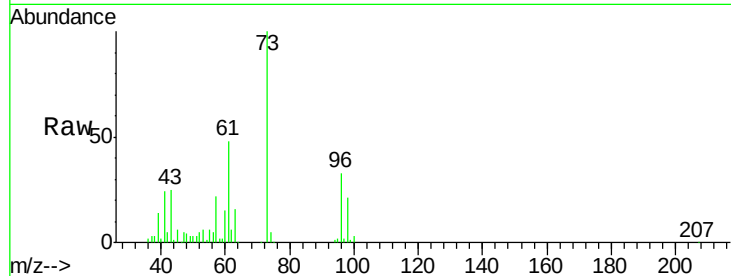
#21
trans-1,2-Dichloroethene
Concen: 45.640 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.2	126.2	189.4
98	62.6	51.0	76.4

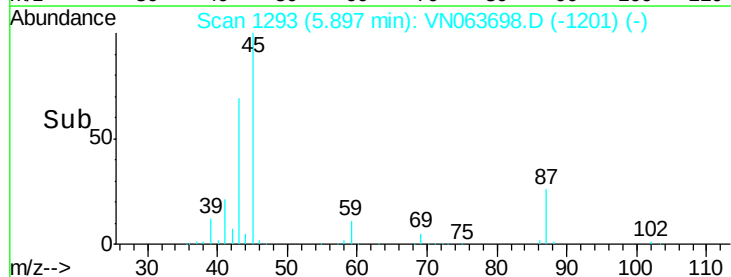
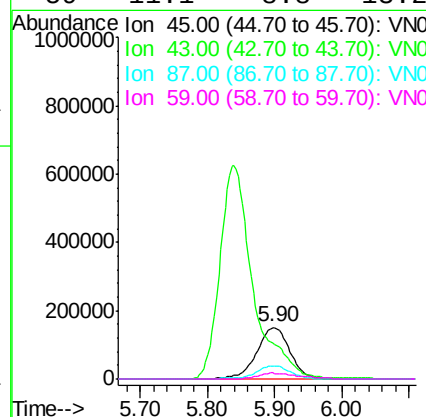
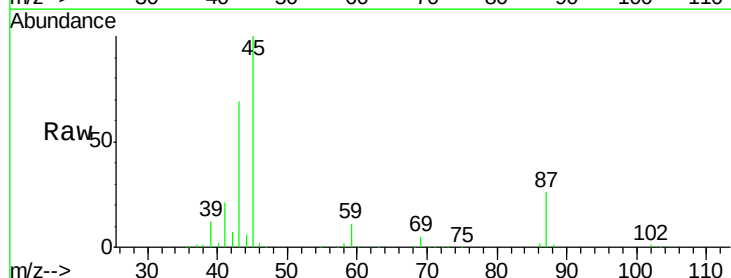
Manual Integrations
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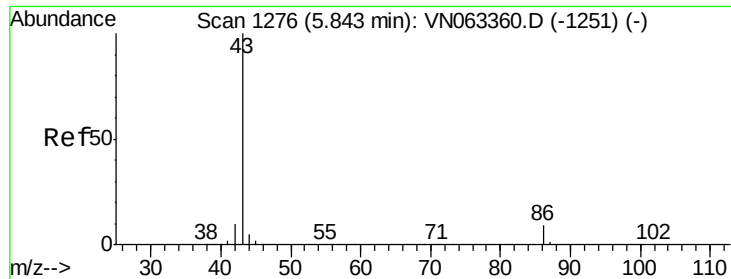
MMDadoda
9/29/2020 4:37:55 PM



#22
Diisopropyl ether
Concen: 48.429 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.0	53.5	80.3
87	26.1	21.2	31.8
59	11.1	8.8	13.2





#23

Vinyl Acetate

Concen: 245.010 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2151734

Ion Ratio Lower Upper

43 100

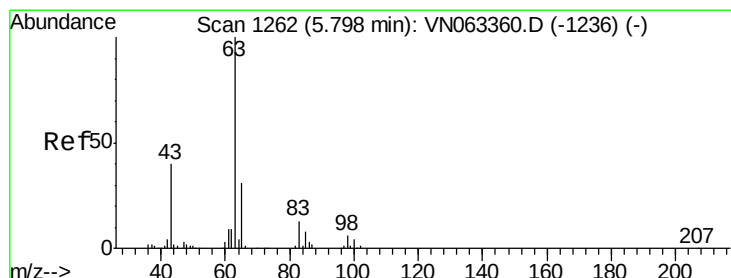
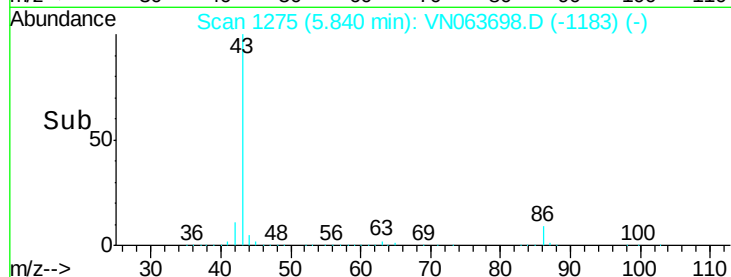
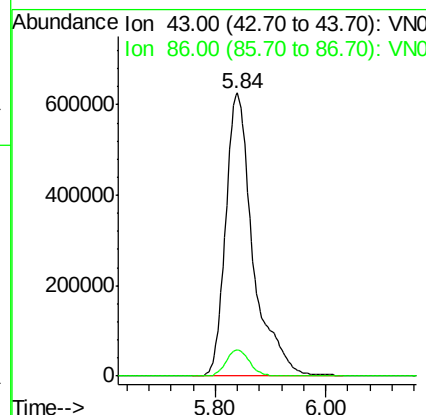
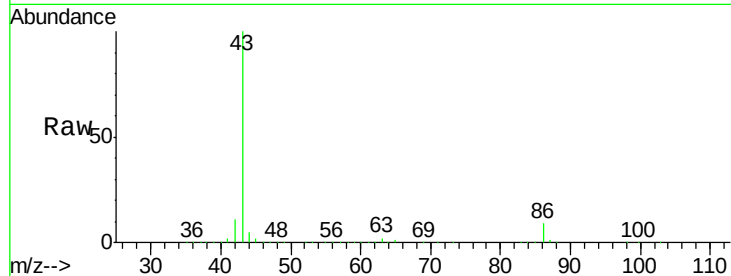
86 9.2 7.1 10.7

Manual Integrations

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MMDadoda

9/29/2020 4:37:55 PM



#24

1,1-Dichloroethane

Concen: 47.905 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

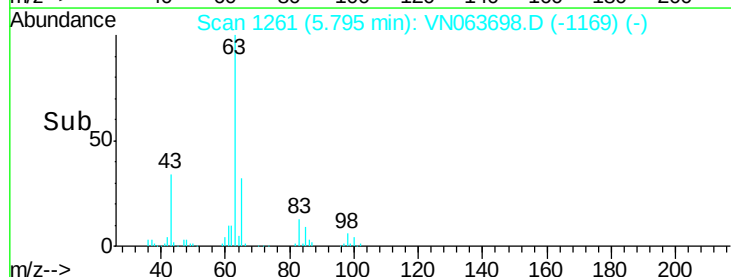
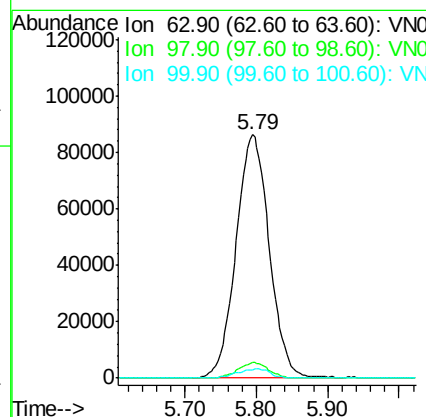
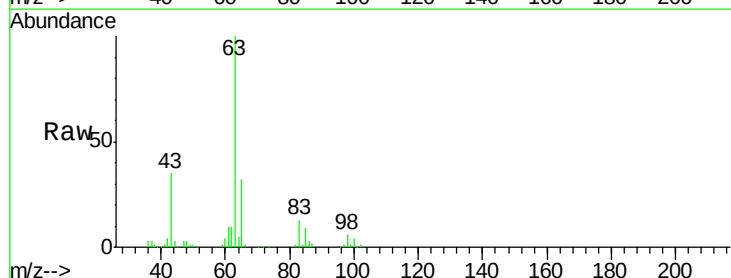
Tgt Ion: 63 Resp: 279678

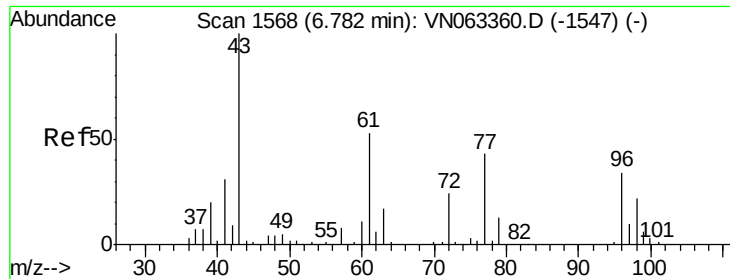
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.6 2.1 6.3





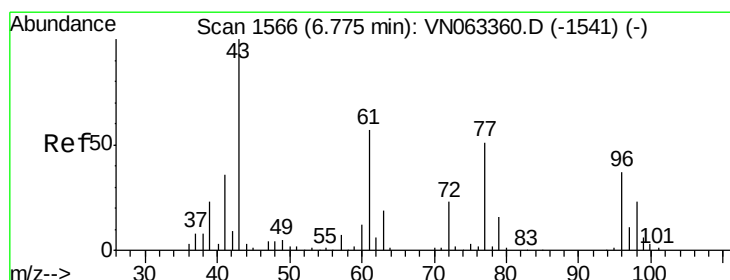
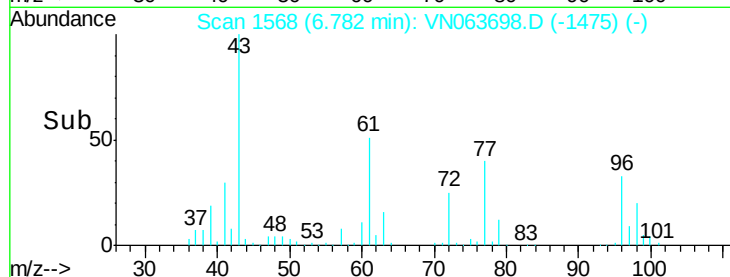
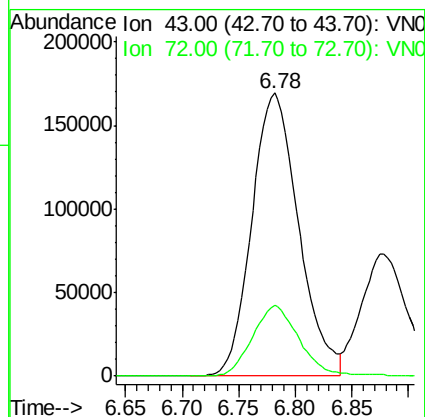
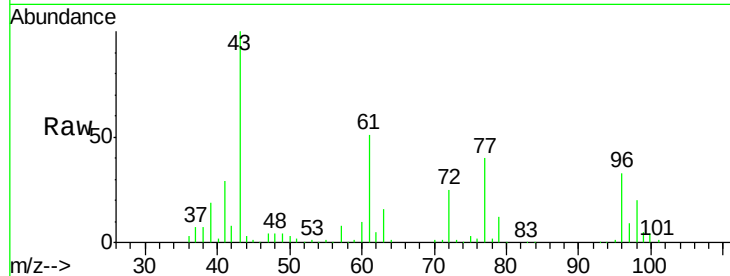
#25
2-Butanone
Concen: 245.829 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 485853
Ion Ratio Lower Upper
43 100
72 25.1 19.2 28.8

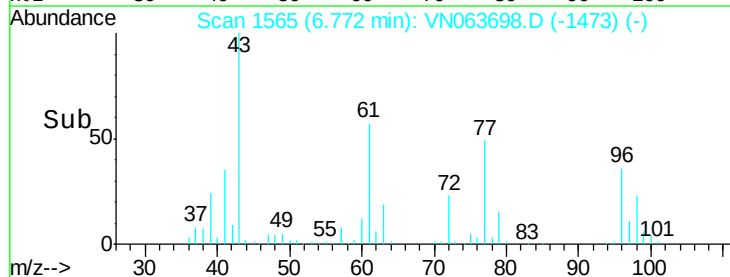
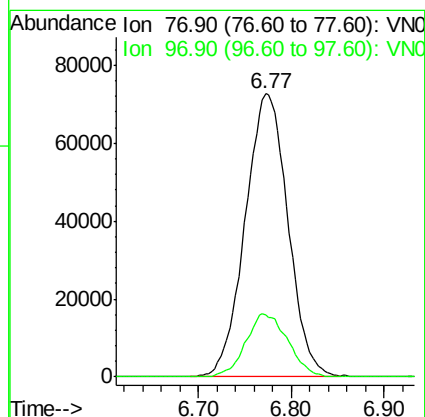
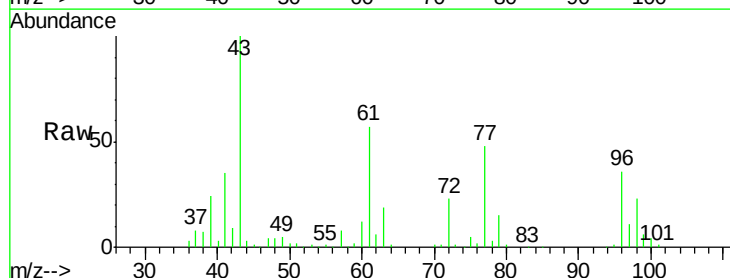
Manual Integrations
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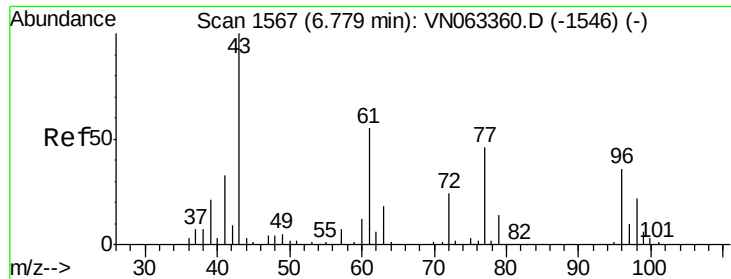
MMDadoda
9/29/2020 4:37:55 PM



#26
2,2-Dichloropropane
Concen: 45.328 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion: 77 Resp: 232995
Ion Ratio Lower Upper
77 100
97 21.9 10.5 31.6





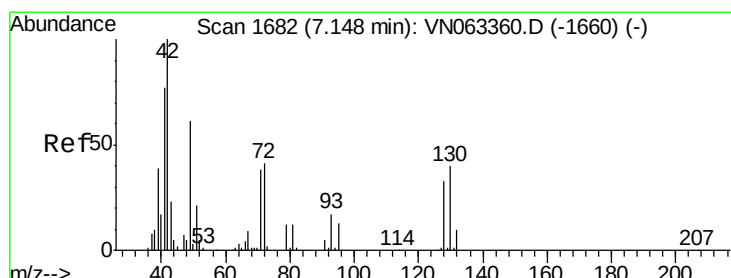
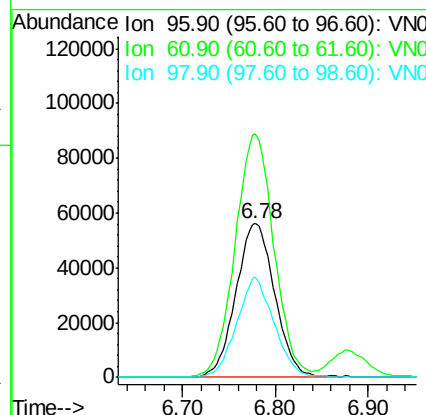
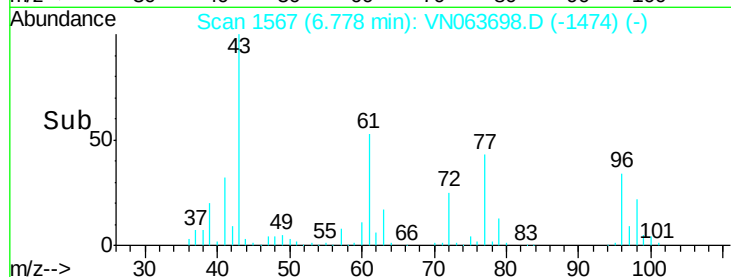
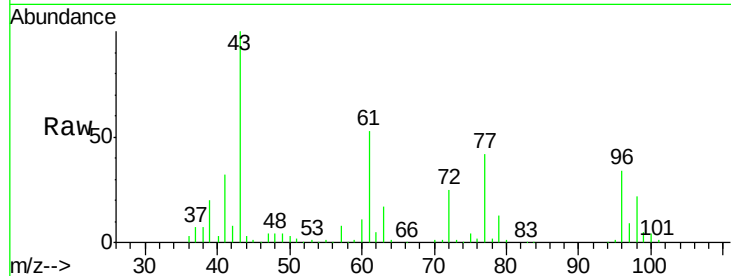
#27
 cis-1,2-Dichloroethene
 Concen: 49.245 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.6	0.0	319.6	
98	62.4	0.0	127.8	

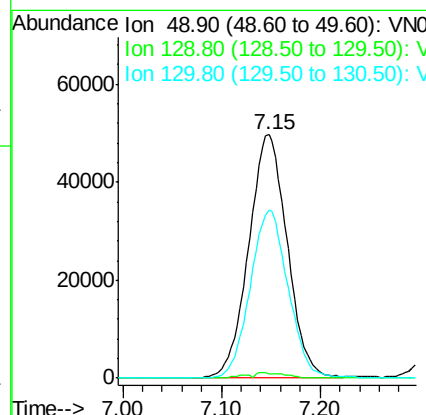
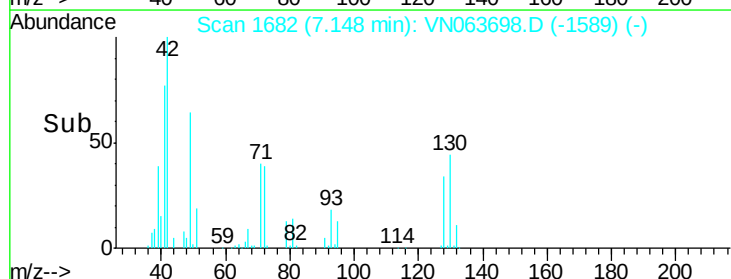
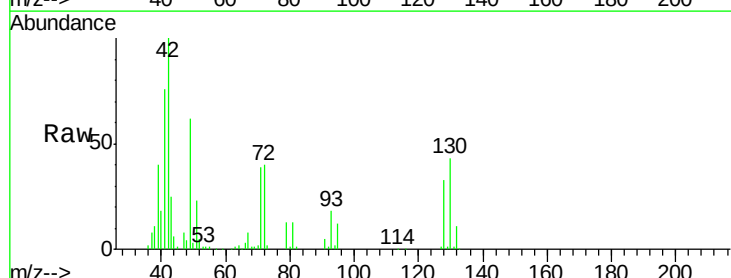
Manual Integrations
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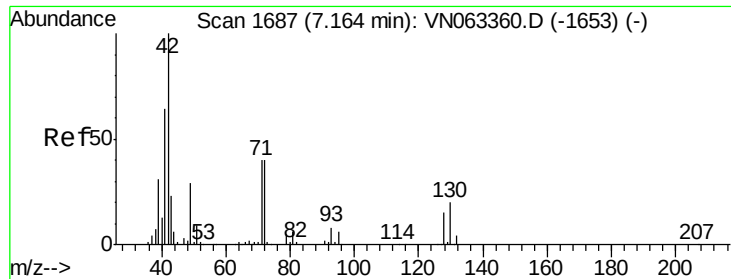
MMDadoda
 9/29/2020 4:37:55 PM



#28
 Bromochloromethane
 Concen: 49.807 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.8	
130	67.7	52.2	78.2	





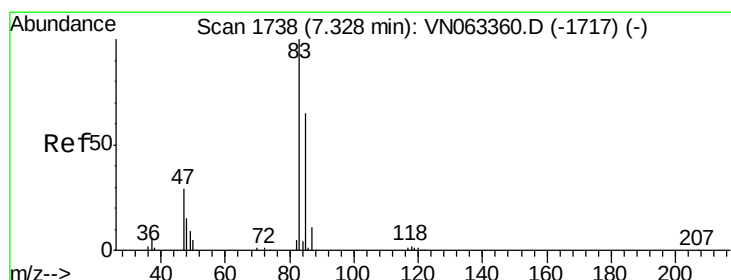
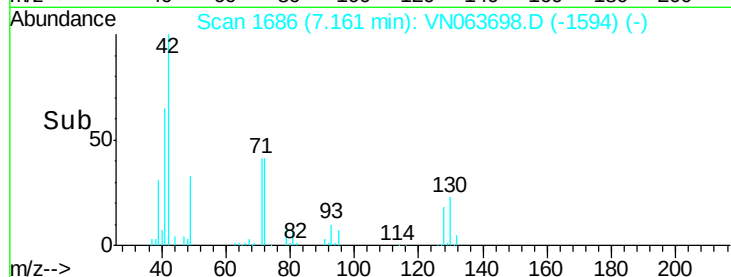
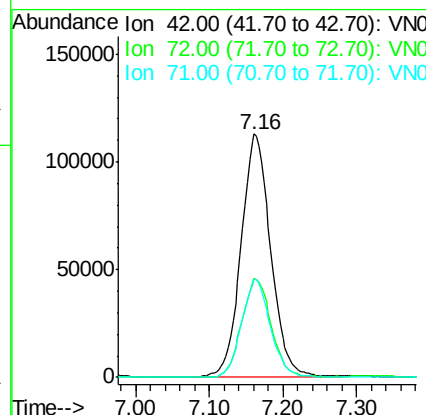
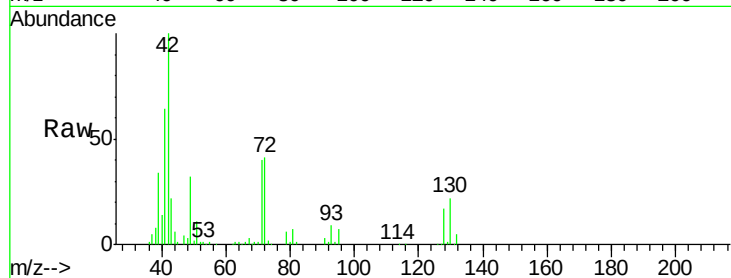
#29
Tetrahydrofuran
Concen: 233.847 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.1	48.1
71	38.9	31.2	46.8

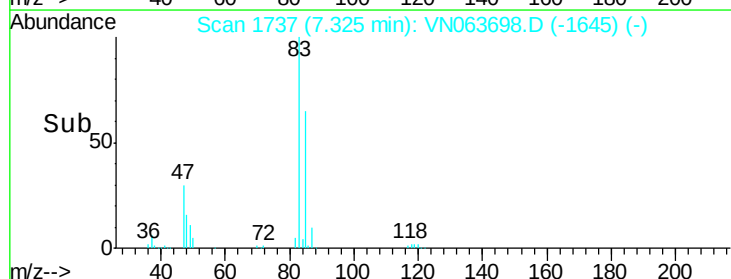
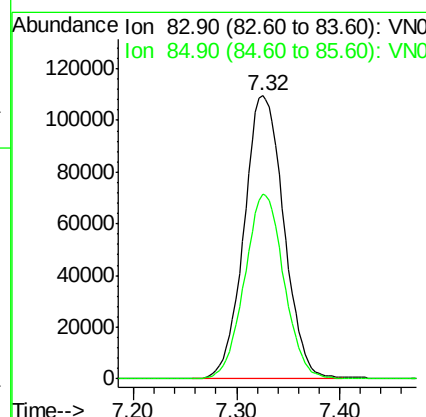
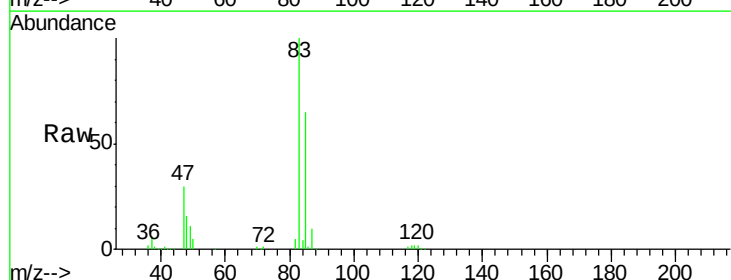
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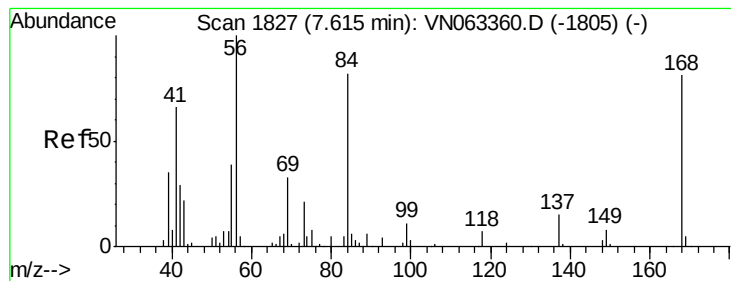
MMDadoda
9/29/2020 4:37:55 PM



#30
Chloroform
Concen: 50.167 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





#31

Cyclohexane

Concen: 39.047 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

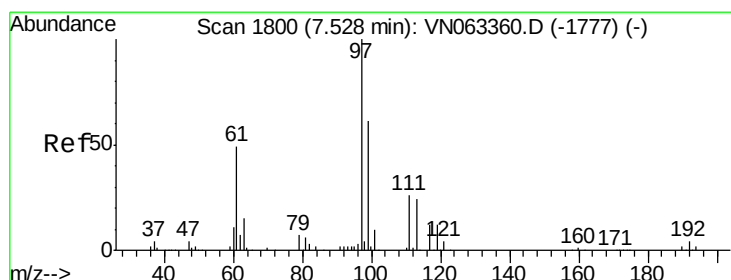
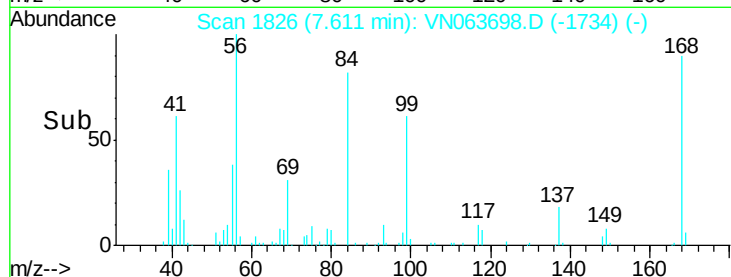
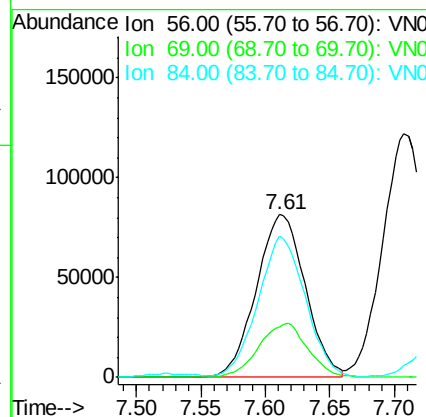
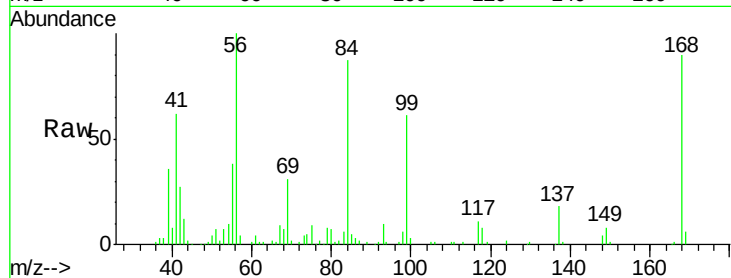
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	215633
Ion	Ratio	Lower	Upper
56	100		
69	31.2	26.1	39.1
84	85.0	65.4	98.2

Manual Integrations
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9/29/2020 4:37:55 PM



#32

1,1,1-Trichloroethane

Concen: 50.010 ug/l

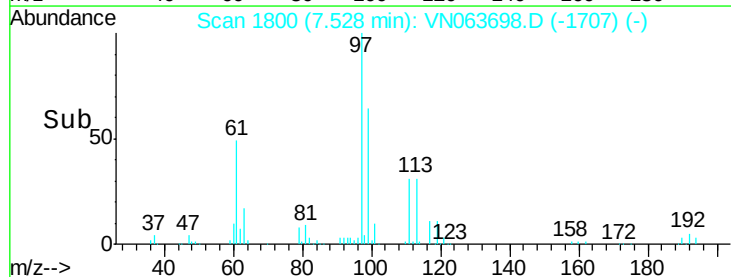
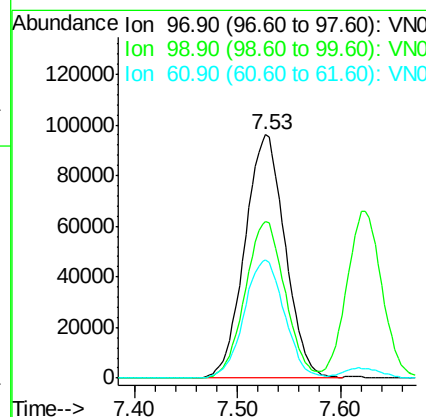
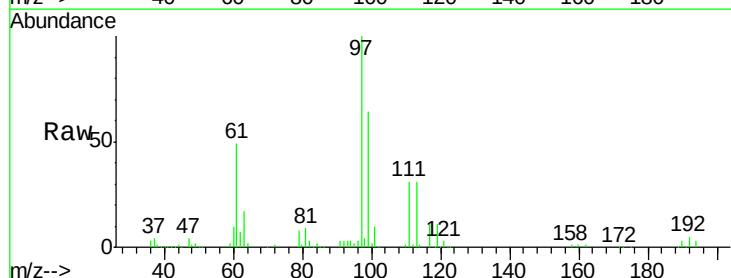
RT: 7.53 min Scan# 1800

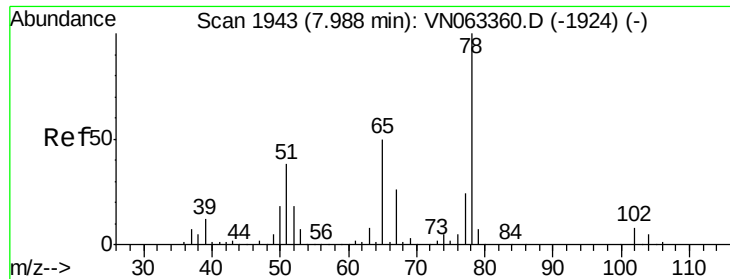
Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Tgt Ion:	97	Resp:	260540
Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	48.6	39.2	58.8





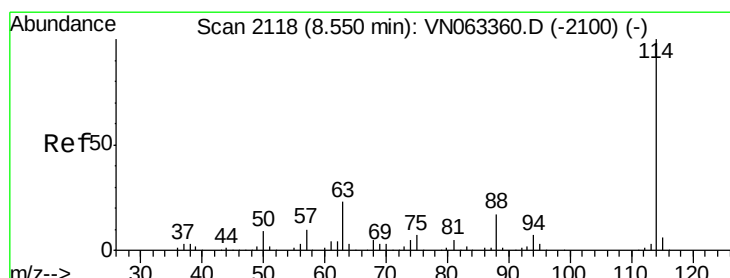
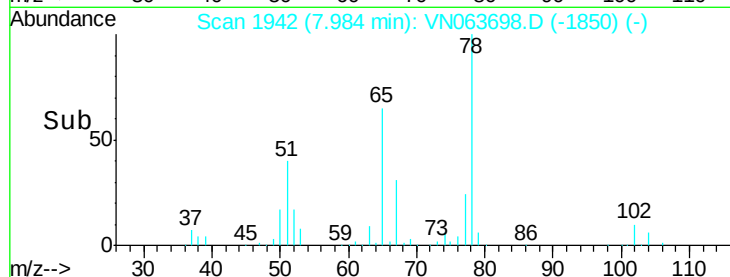
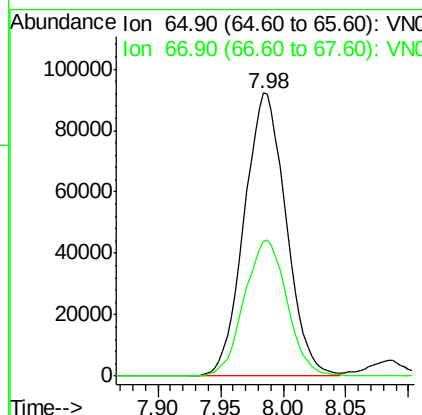
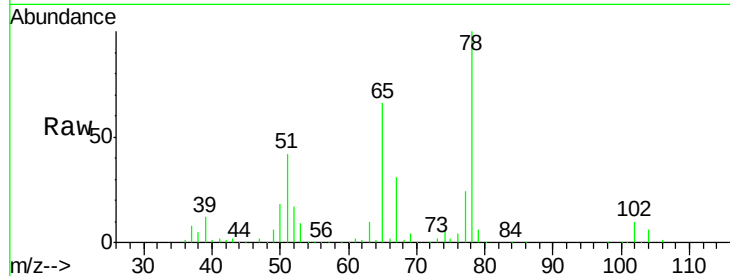
#33
 1,2-Dichloroethane-d4
 Concen: 53.720 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.0	0.0	104.2	

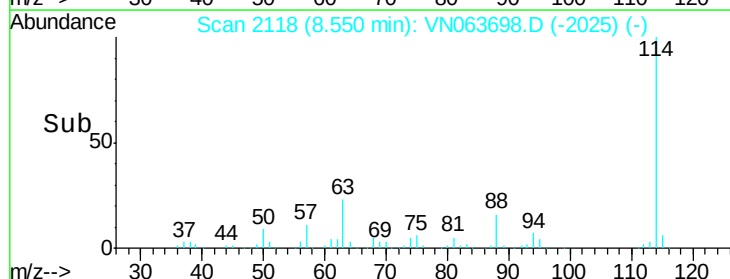
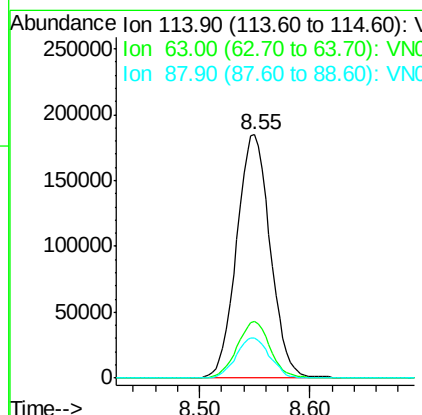
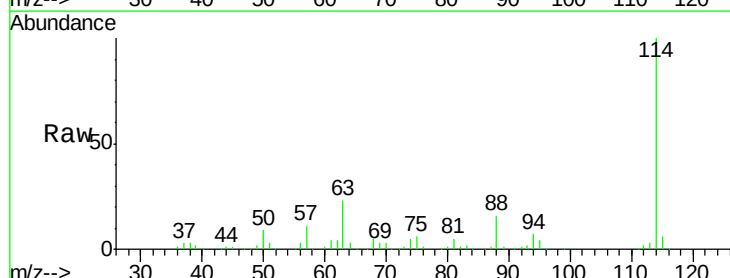
Manual Integrations
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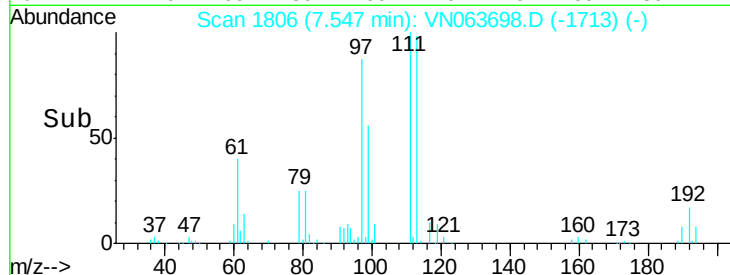
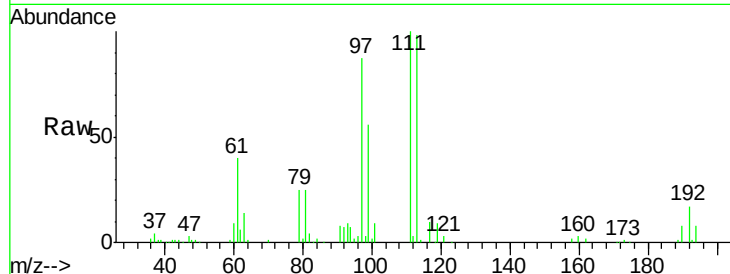
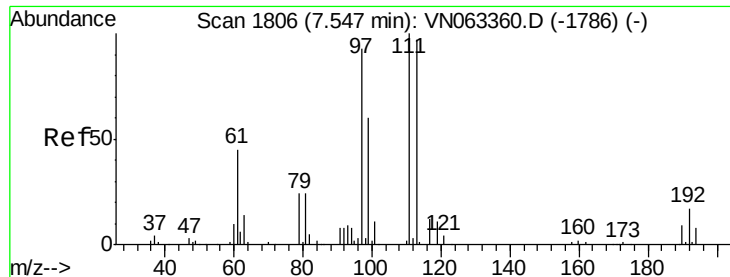
MMDadoda
 9/29/2020 4:37:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.3	0.0	46.4	
88	16.3	0.0	33.2	





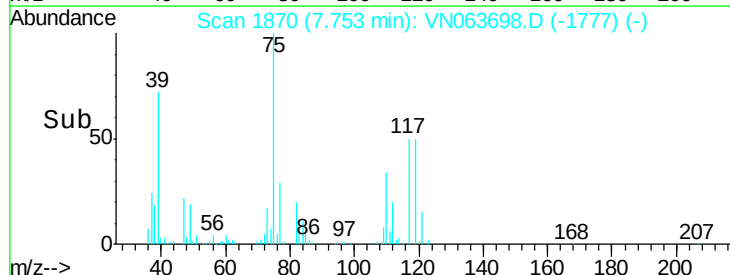
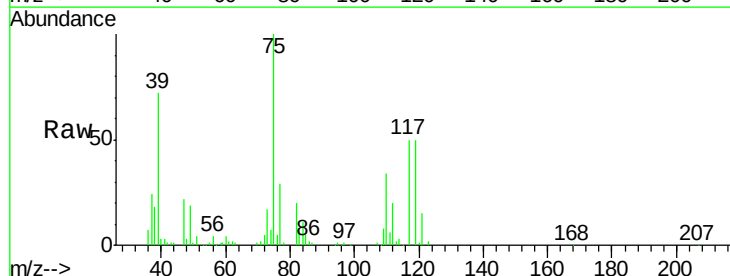
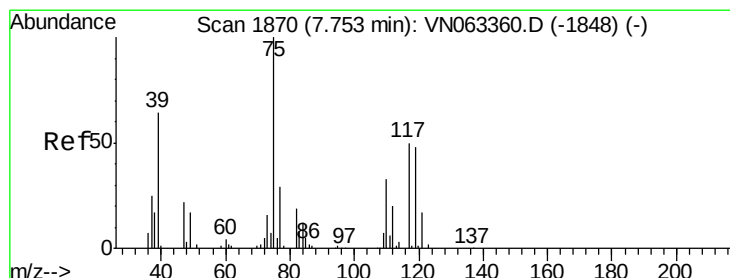
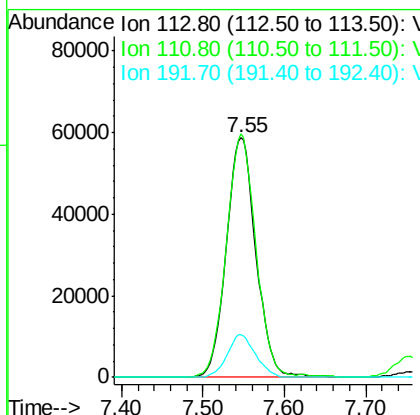
#35
Dibromofluoromethane
Concen: 55.463 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149743		
111	100.6	82.9	124.3	
192	17.0	13.9	20.9	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

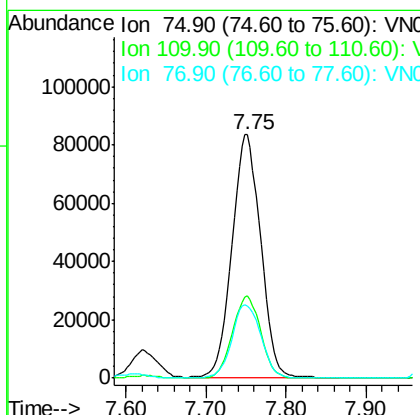
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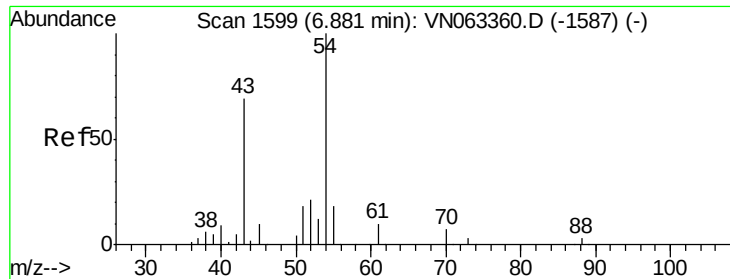
MMDadoda
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#36
1,1-Dichloropropene
Concen: 48.708 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	202374		
110	33.1	16.5	49.5	
77	30.8	24.6	36.8	





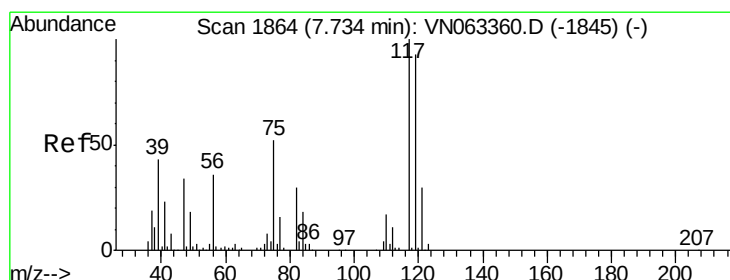
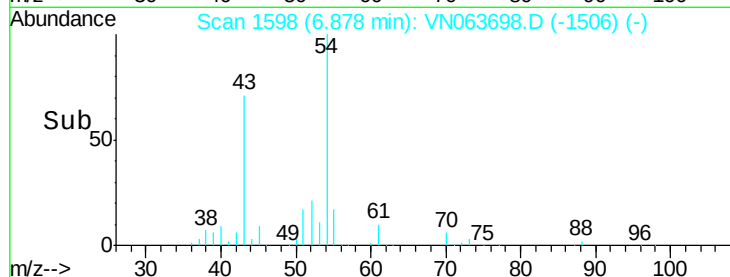
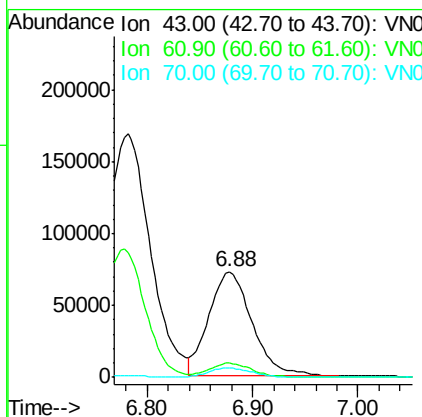
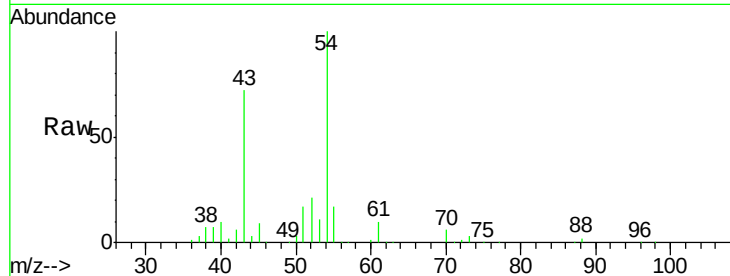
#37
Ethyl Acetate
Concen: 50.522 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	9.0	7.2	10.8

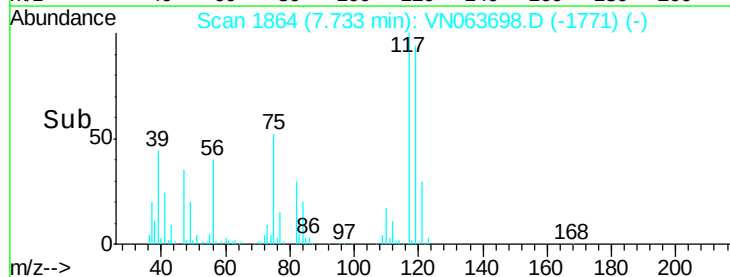
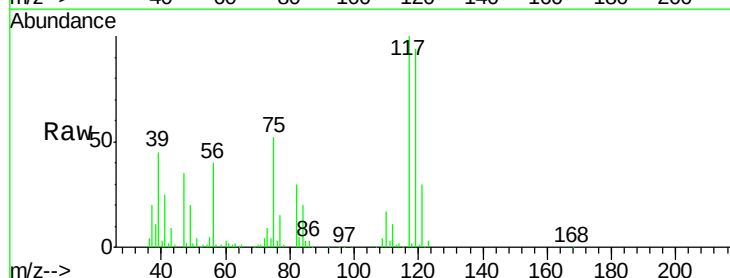
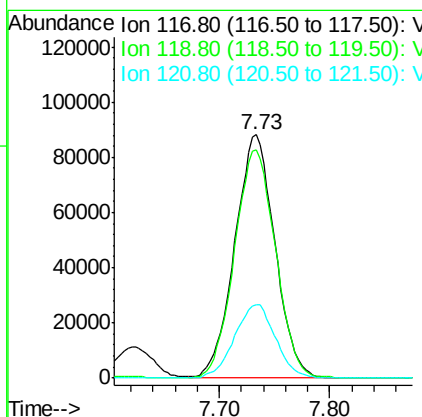
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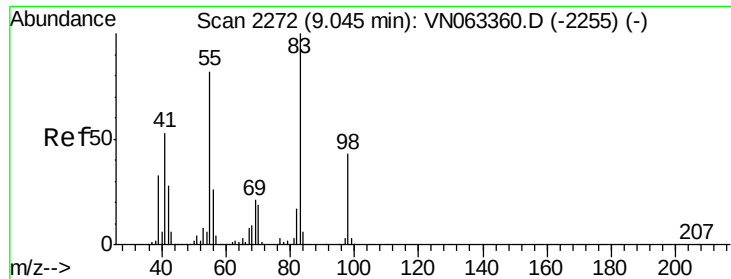
MMDadoda
9/29/2020 4:37:55 PM



#38
Carbon Tetrachloride
Concen: 52.180 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	74.5	111.7
121	30.4	24.1	36.1





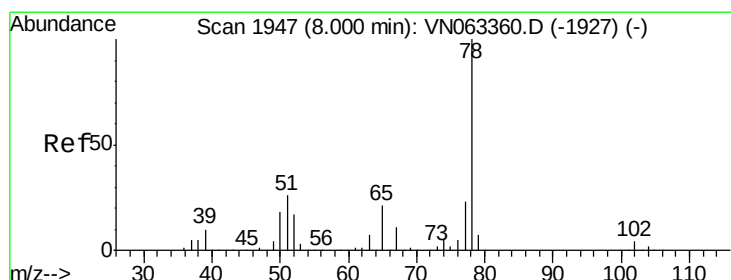
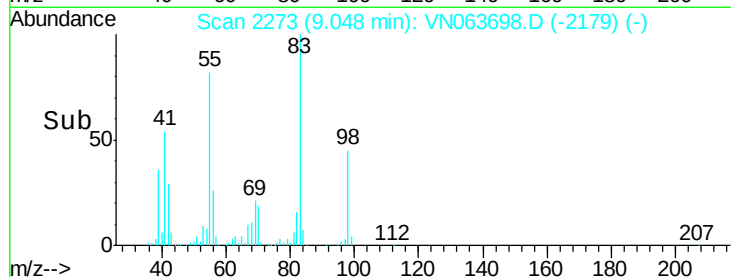
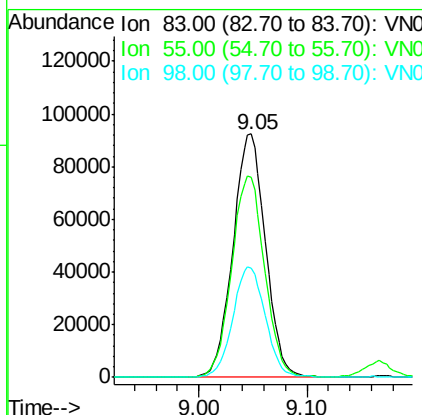
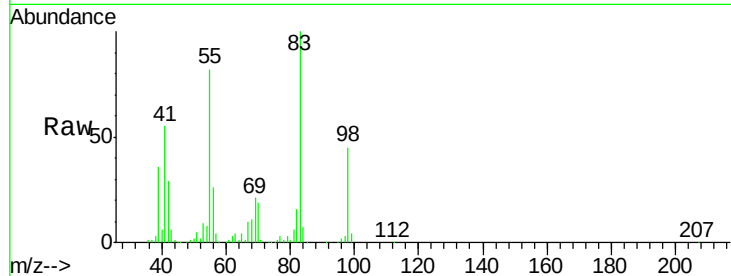
#39
Methylvlcyclohexane
Concen: 43.095 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	194331		
55	82.3	65.5	98.3	
98	45.0	34.2	51.4	

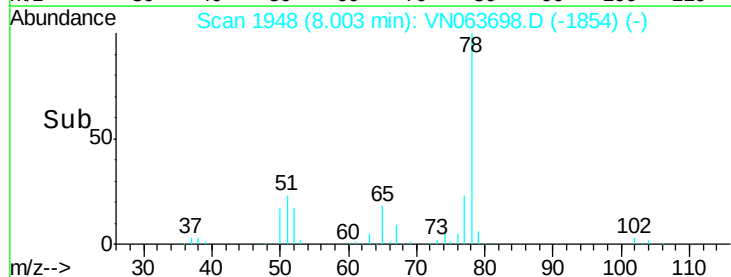
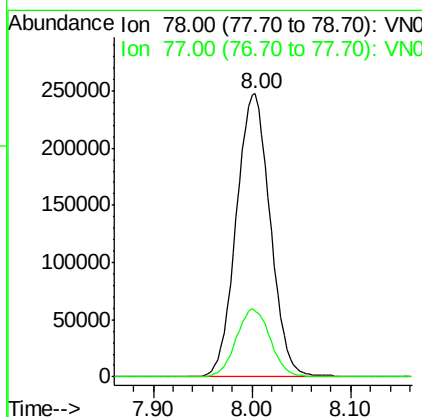
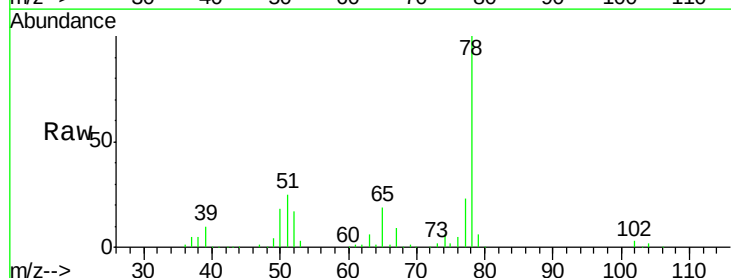
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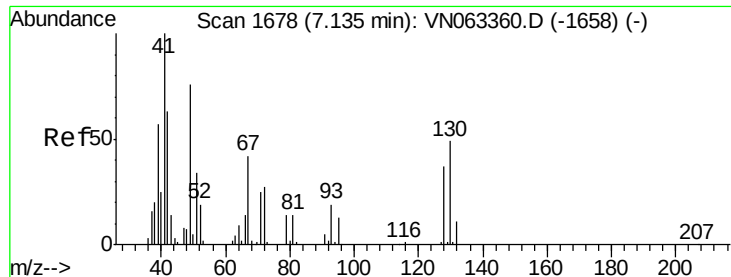
MMDadoda
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#40
Benzene
Concen: 49.767 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	590261		
77	23.4	18.3	27.5	





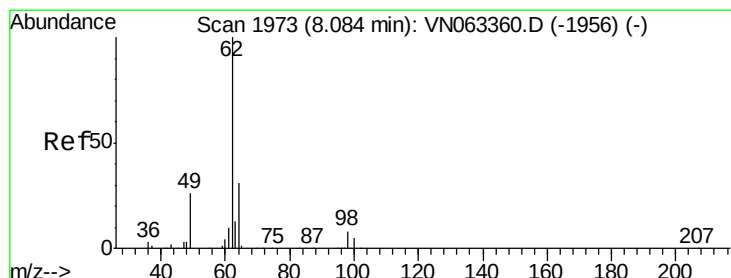
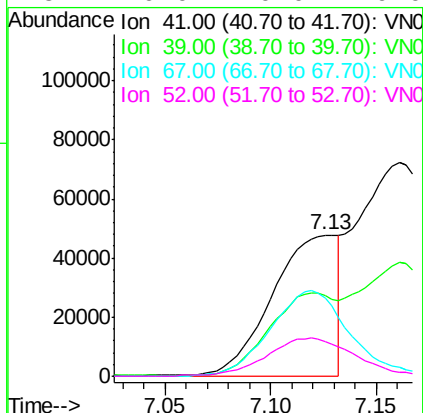
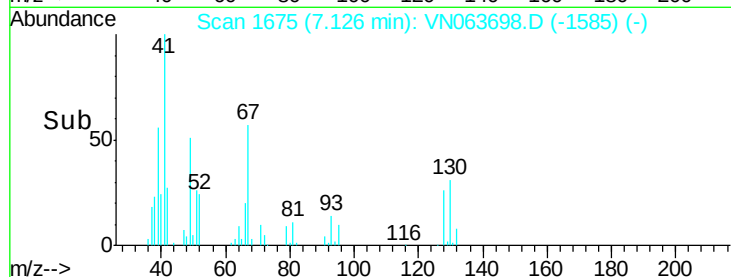
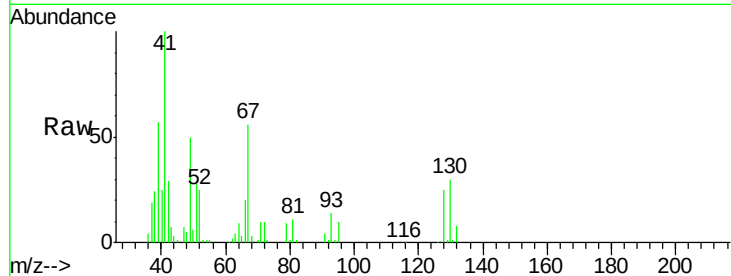
#41
Methacrylonitrile
Concen: 56.521 ug/l m
RT: 7.13 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

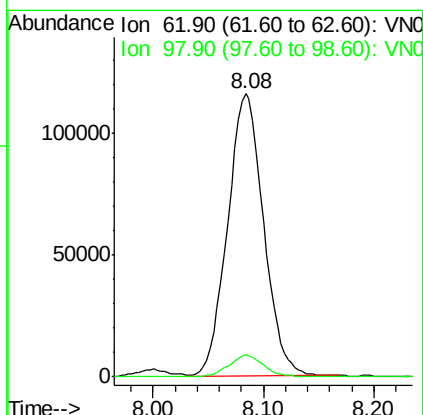
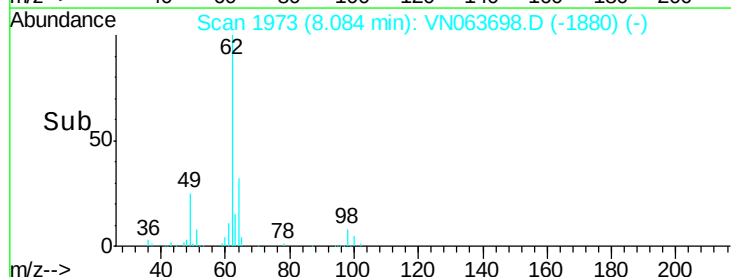
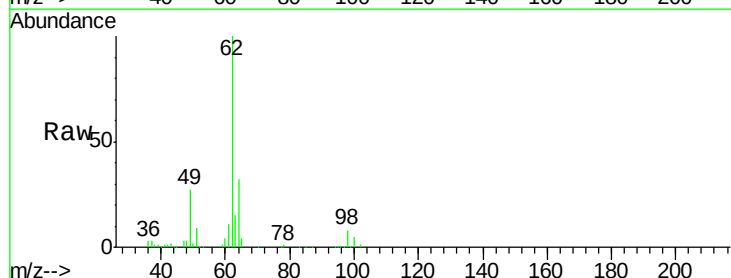
Manual Integrations
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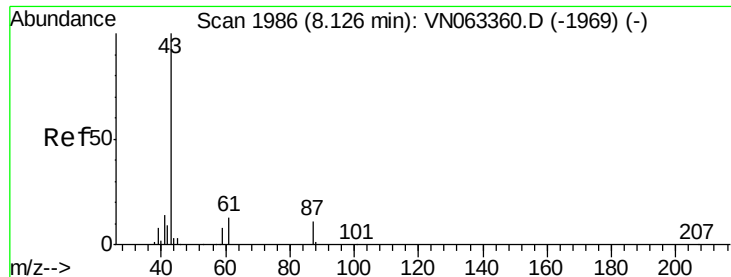
MMDadoda
9/29/2020 4:37:55 PM



#42
1,2-Dichloroethane
Concen: 55.038 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	7.5	0.0	15.6





#43

Isopropyl Acetate

Concen: 49.831 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

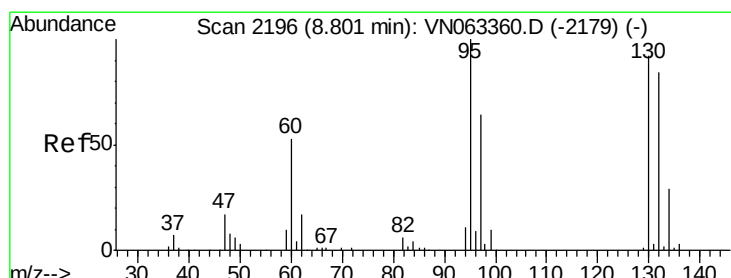
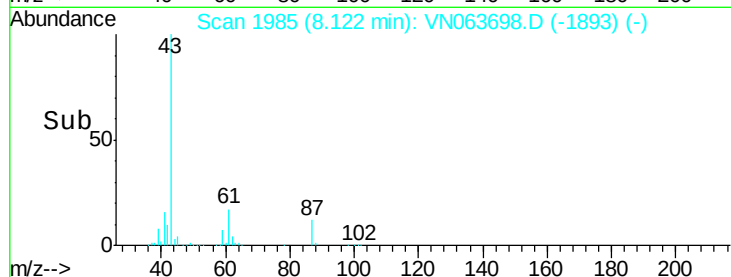
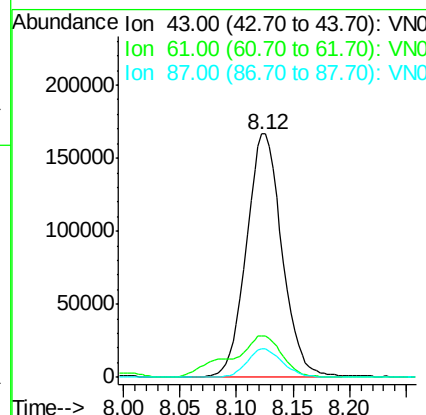
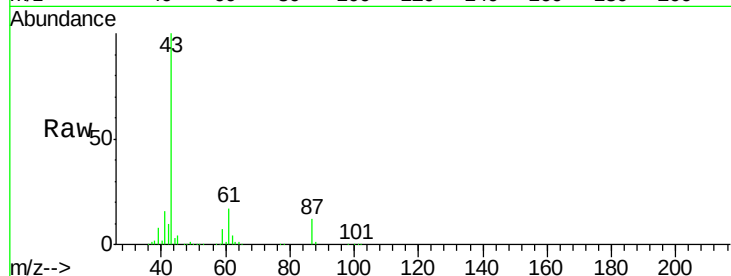
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	363341
Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.2	21.2
87	11.8	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 50.668 ug/l

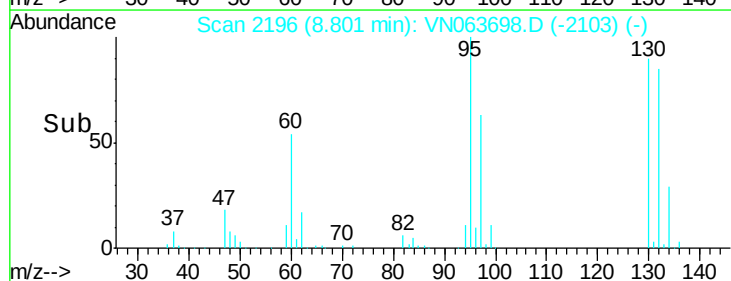
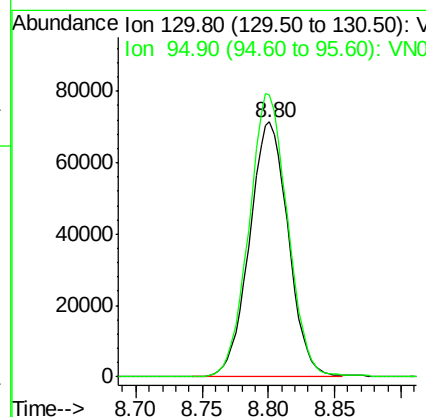
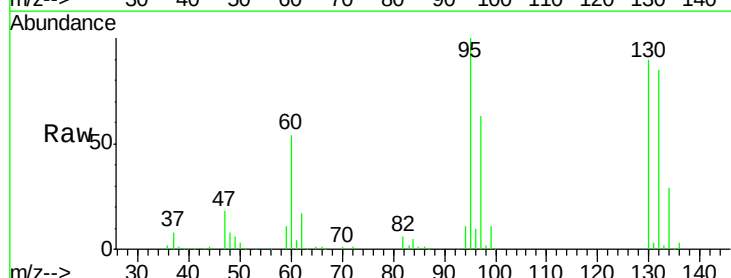
RT: 8.80 min Scan# 2196

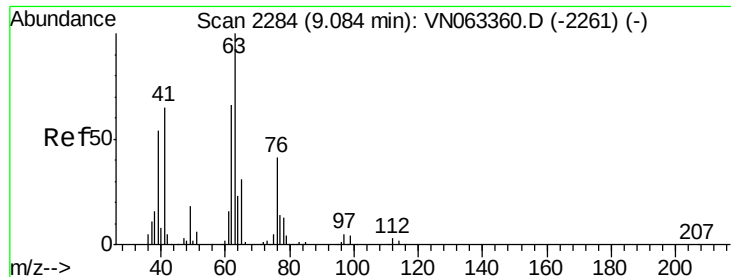
Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Tgt Ion:	130	Resp:	145758
Ion	Ratio	Lower	Upper
130	100		
95	110.6	0.0	217.4





#45

1,2-Dichloropropane

Concen: 51.761 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 167204

Ion Ratio Lower Upper

63 100

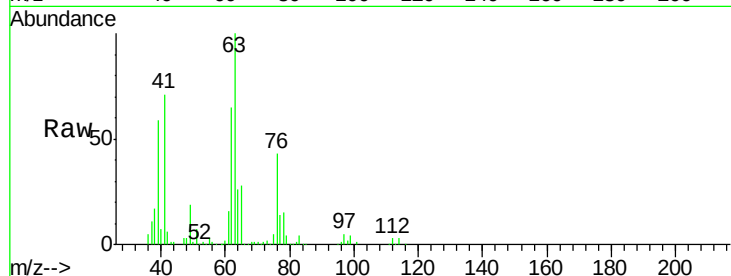
65 28.4 25.0 37.6

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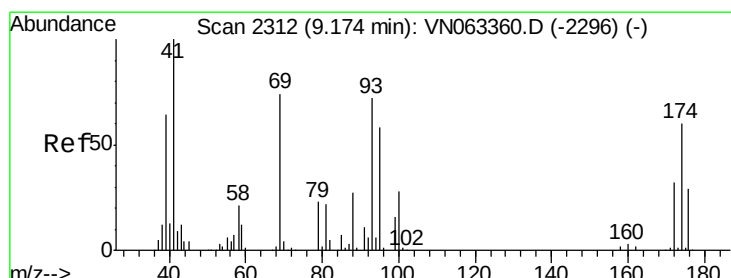
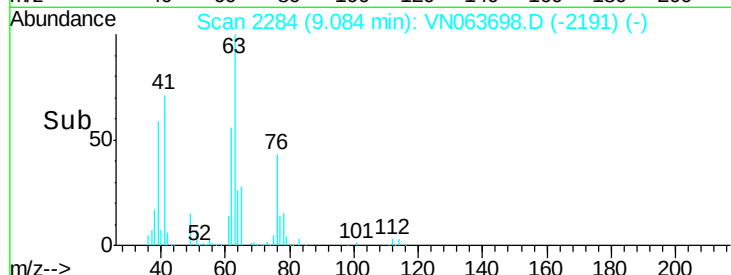
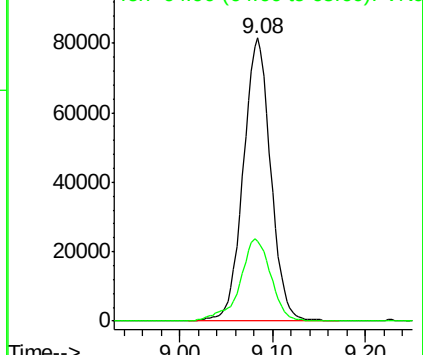
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 53.811 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

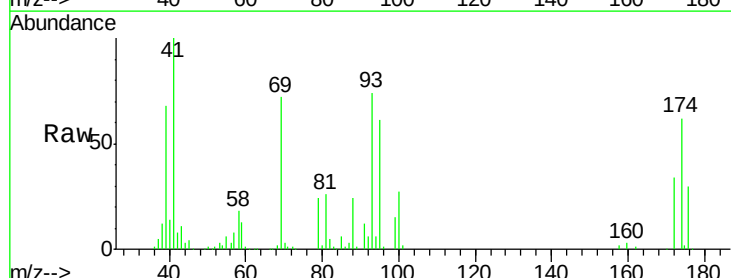
Tgt Ion: 93 Resp: 114249

Ion Ratio Lower Upper

93 100

95 83.5 65.6 98.4

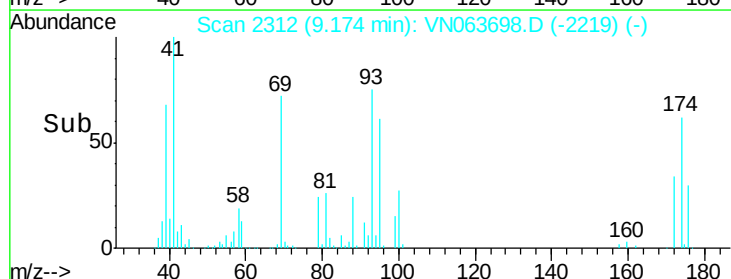
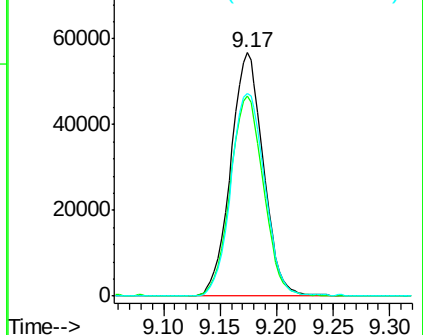
174 86.5 68.1 102.1

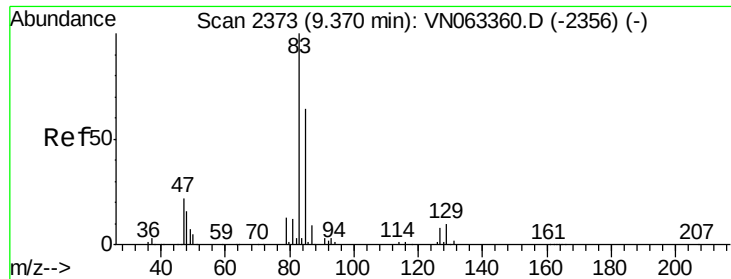


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 54.939 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

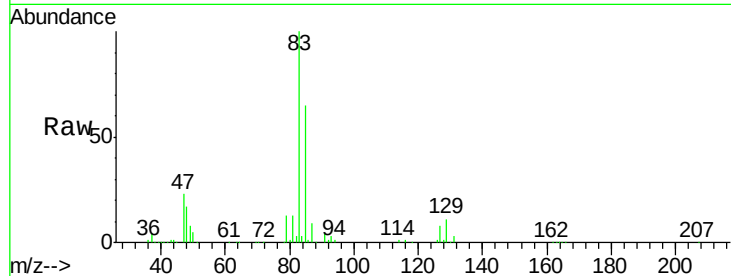
ClientSampleId :

VSTDCCC050

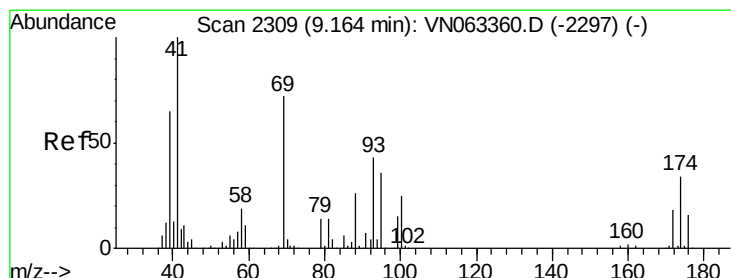
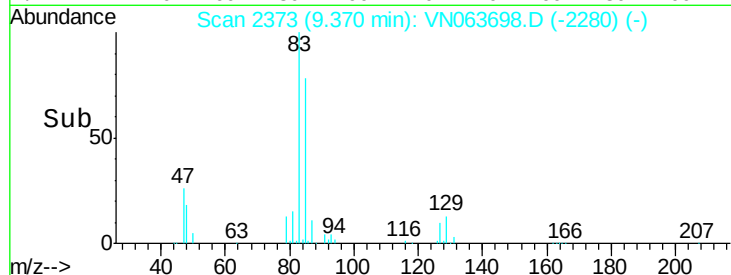
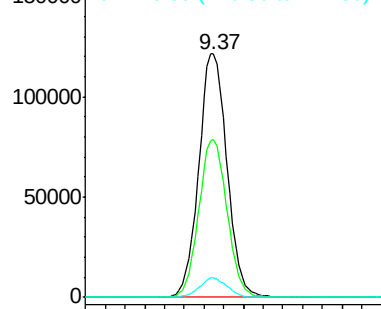
Tot Ion:	83	Resp:	242323
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.6
127	8.1	6.3	9.5

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Abundance Ion 82.90 (82.60 to 83.60): VN063698.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.884 ug/l

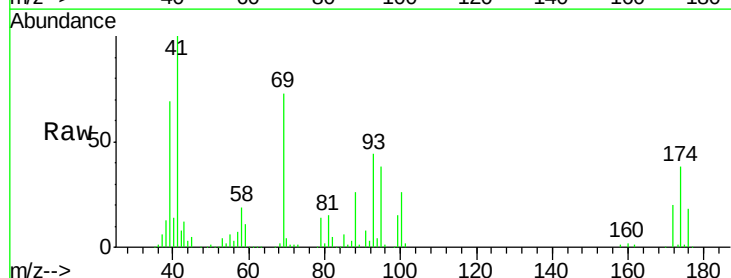
RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

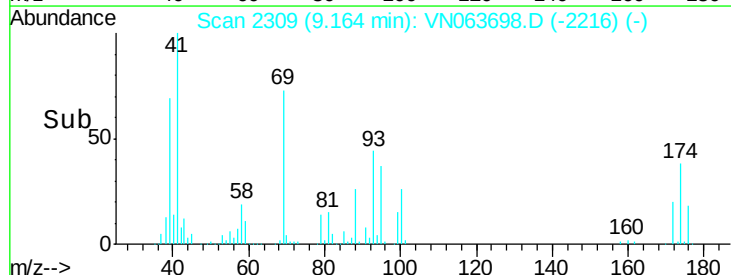
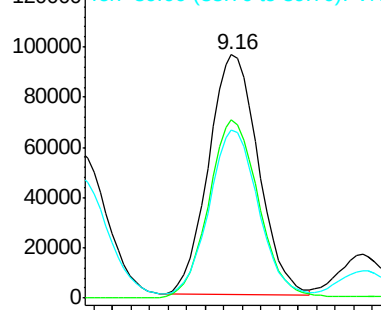
Lab File: VN063698.D

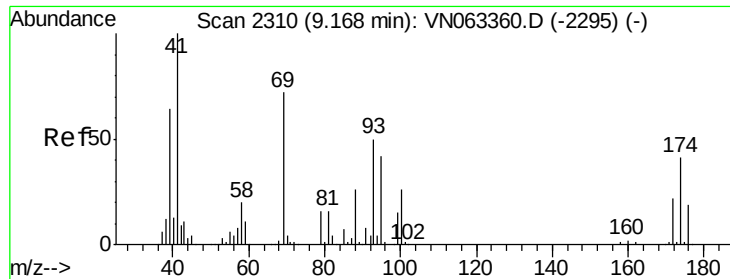
Acq: 28 Sep 2020 11:59

Tgt Ion:	41	Resp:	178702
Ion	Ratio	Lower	Upper
41	100		
69	75.5	59.3	88.9
39	69.9	52.9	79.3



Abundance Ion 41.00 (40.70 to 41.70): VN063698.D (-2216) (-)





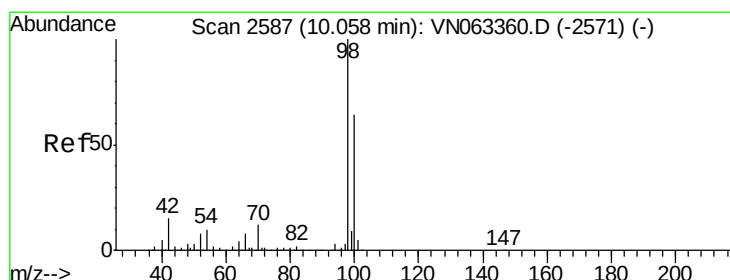
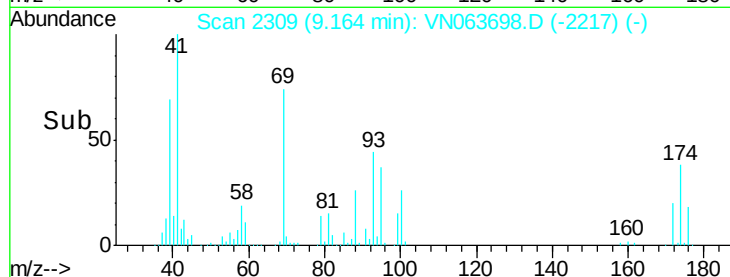
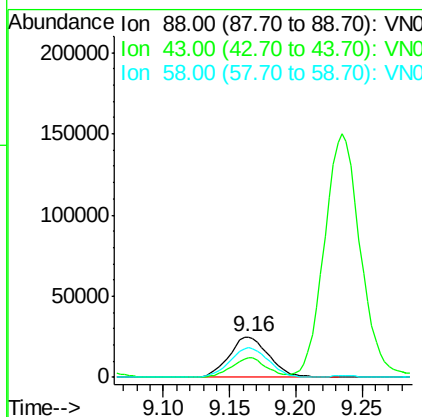
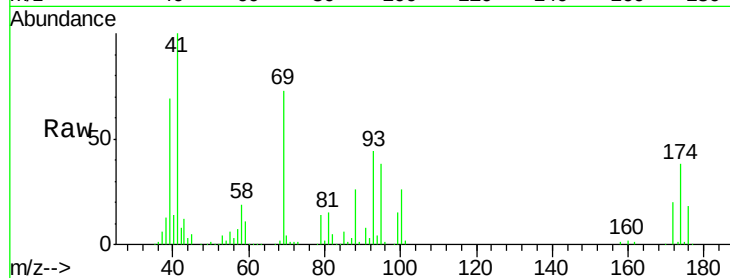
#49
1,4-Dioxane
Concen: 1006.997 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	51769		
43	40.1	32.6	49.0	
58	71.8	60.0	90.0	

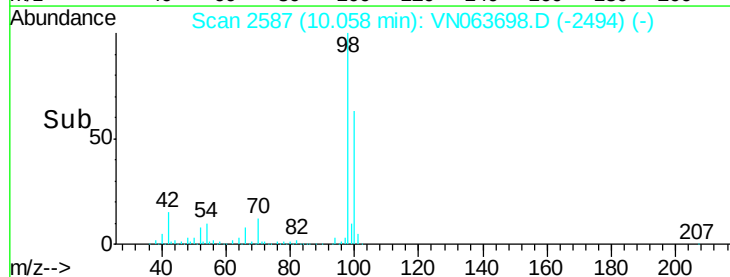
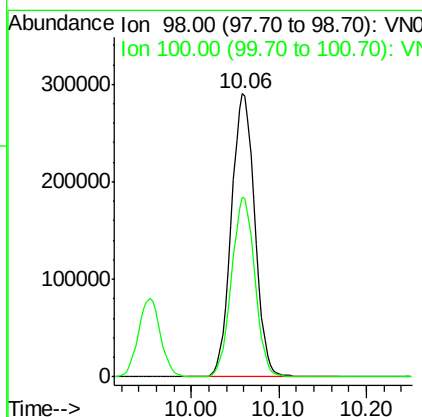
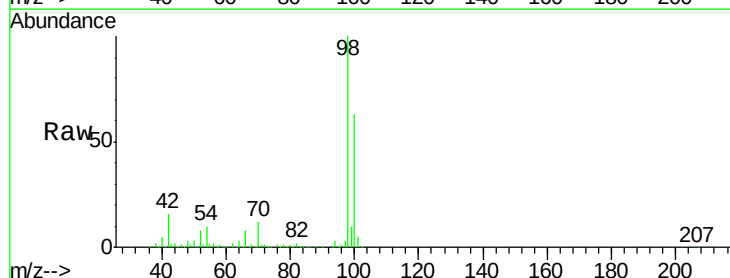
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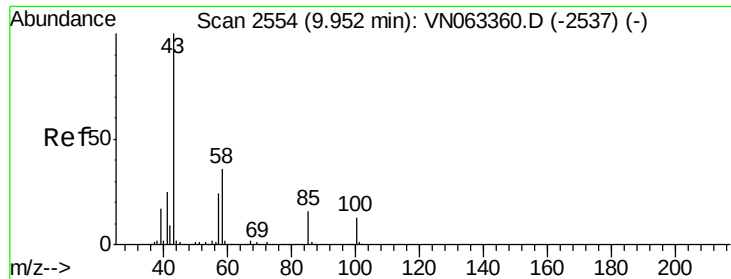
MMDadoda
9/29/2020 4:37:55 PM



#50
Toluene-d8
Concen: 53.102 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	539091		
100	62.9	50.7	76.1	





#51

4-Methyl-2-Pentanone

Concen: 268.508 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1096063

Ion Ratio Lower Upper

43 100

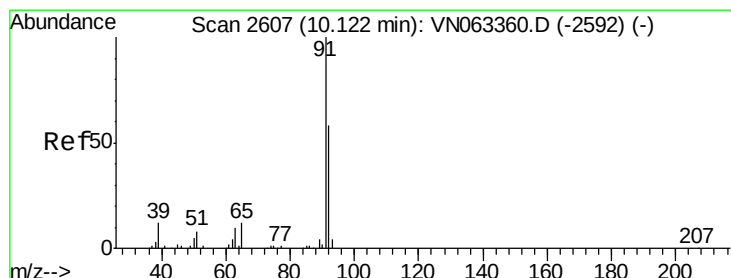
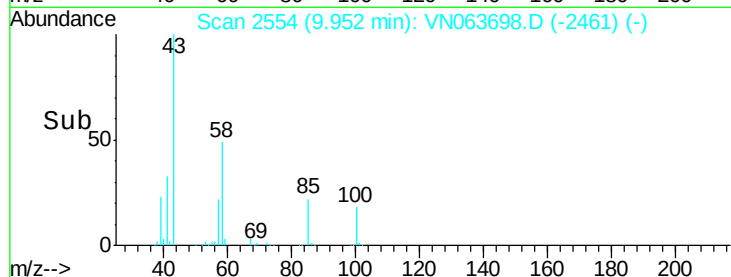
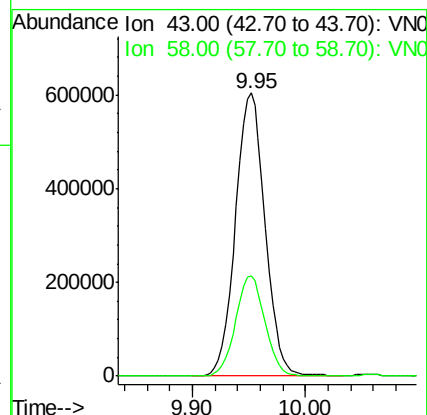
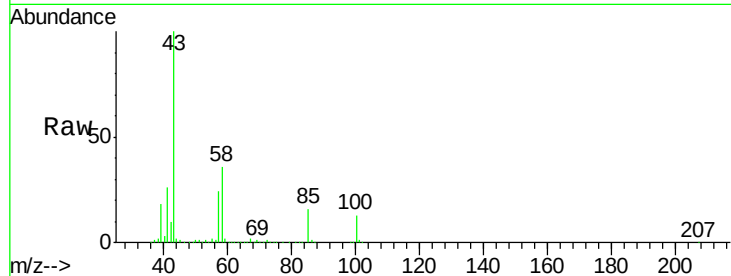
58 35.3 29.0 43.6

Manual Integrations

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9/29/2020 4:37:55 PM



#52

Toluene

Concen: 53.025 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063698.D

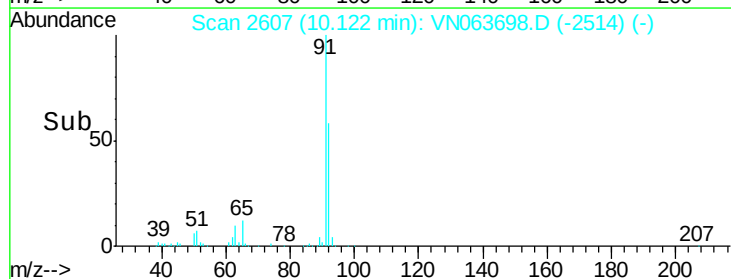
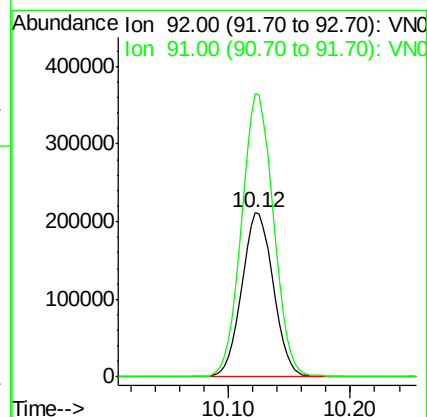
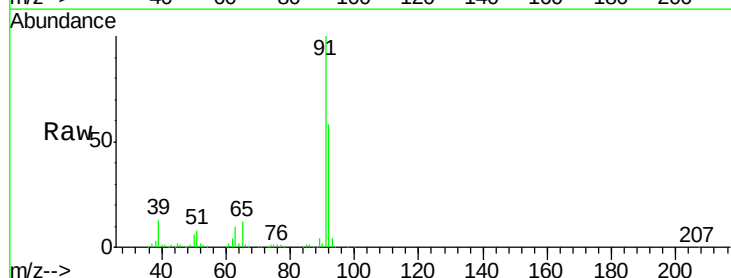
Acq: 28 Sep 2020 11:59

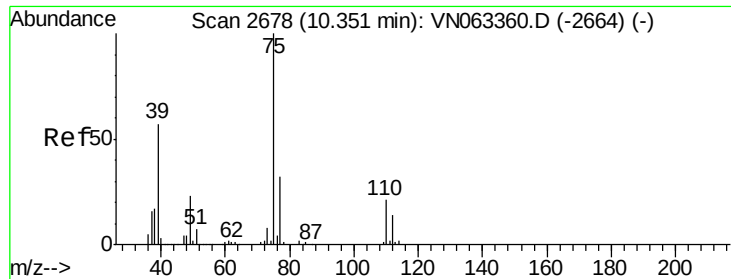
Tgt Ion: 92 Resp: 378122

Ion Ratio Lower Upper

92 100

91 174.6 139.7 209.5





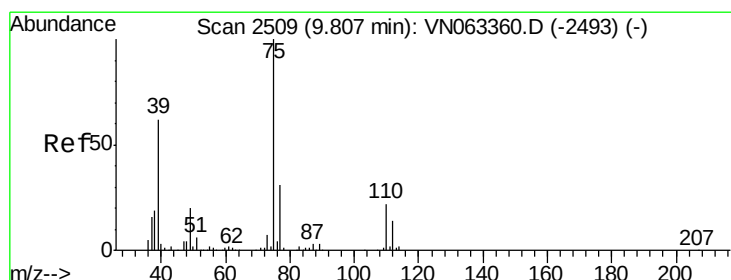
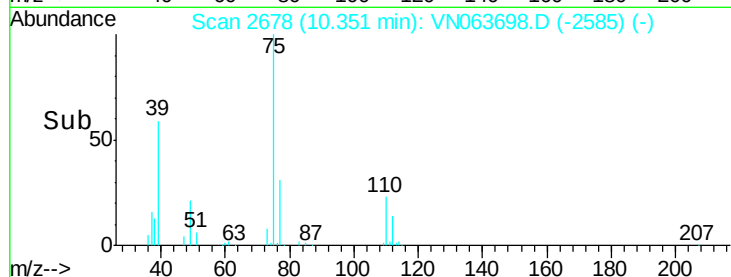
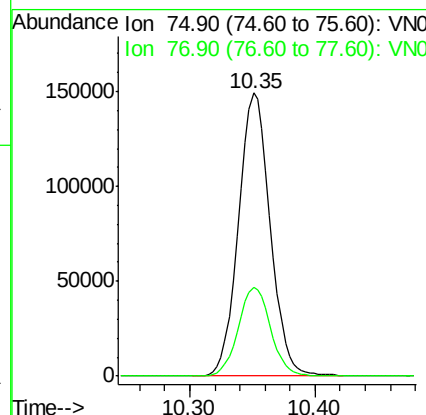
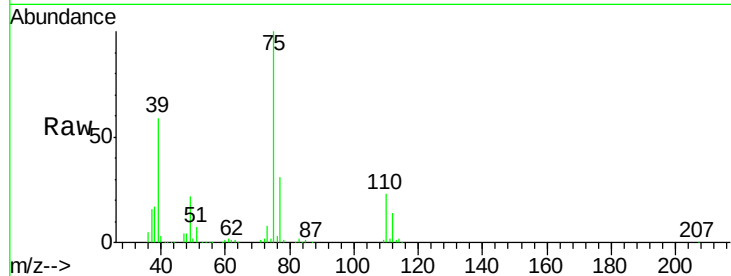
#53
t-1,3-Dichloropropene
Concen: 53.268 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 262300
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

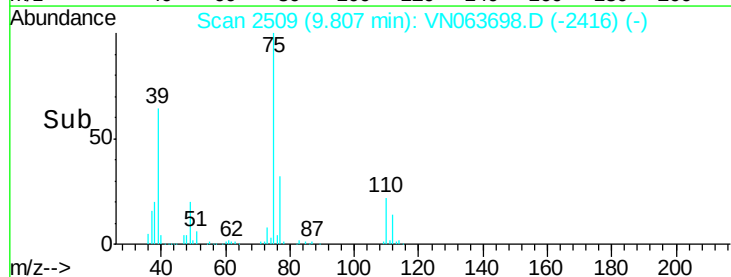
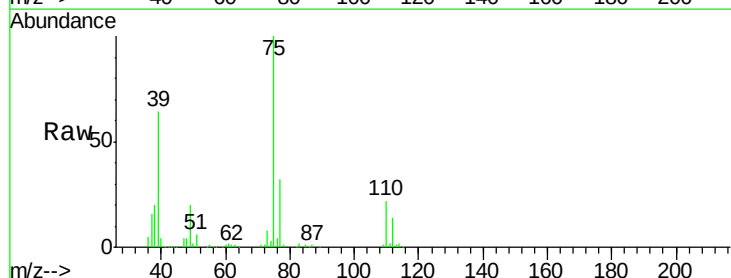
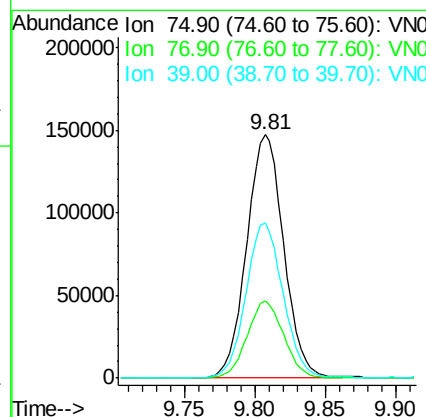
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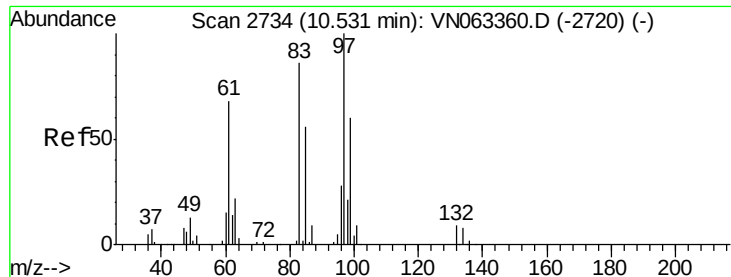
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9/29/2020 4:37:55 PM



#54
cis-1,3-Dichloropropene
Concen: 52.261 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion: 75 Resp: 271440
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0
39 63.5 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 56.346 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

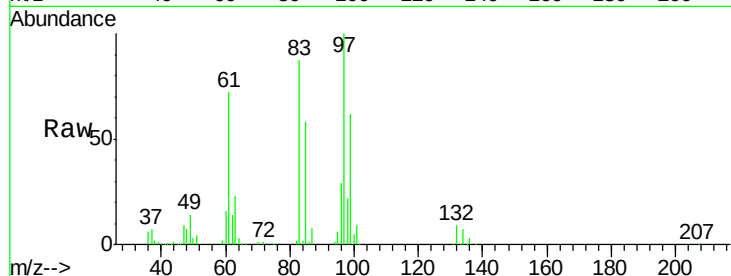
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	159599
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.9	103.3
85	58.0	44.8	67.2
99	61.9	47.8	71.8

Manual Integrations
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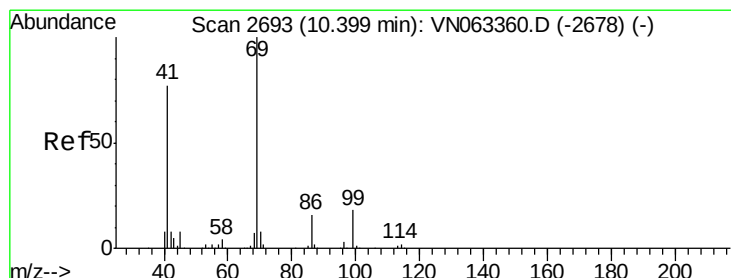
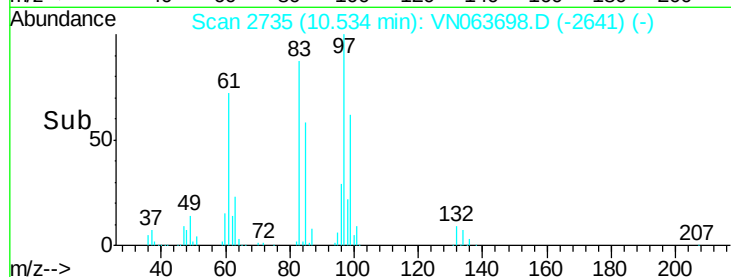
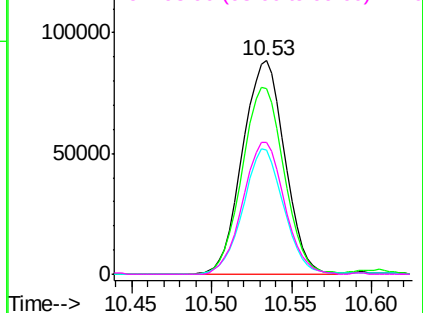


Abundance Ion 96.90 (96.60 to 97.60): VN063360.D (-2720) (-)

Ion 82.90 (82.60 to 83.60): VN063360.D (-2720) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-2720) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-2720) (-)



#56

Ethyl methacrylate

Concen: 52.588 ug/l

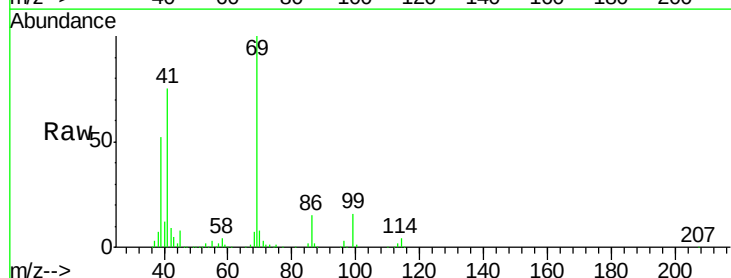
RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

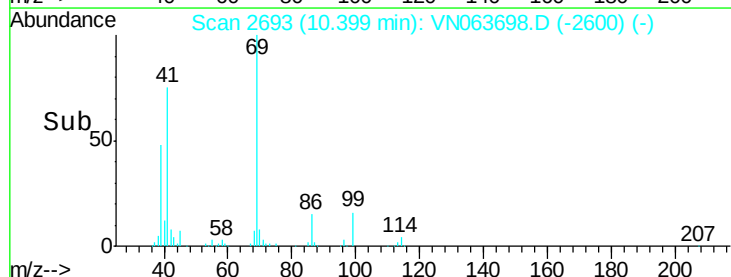
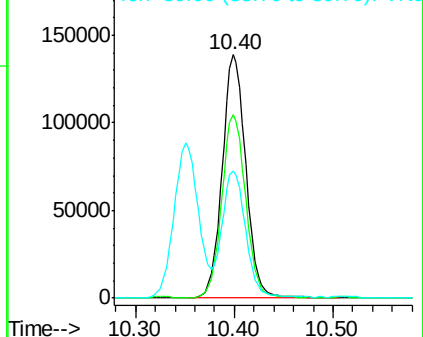
Tgt Ion:	69	Resp:	232534
Ion	Ratio	Lower	Upper
69	100		
41	75.5	61.0	91.6
39	51.7	39.2	58.8

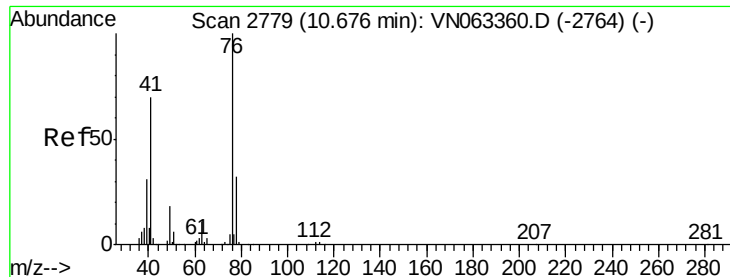


Abundance Ion 69.00 (68.70 to 69.70): VN063360.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN063360.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-2678) (-)





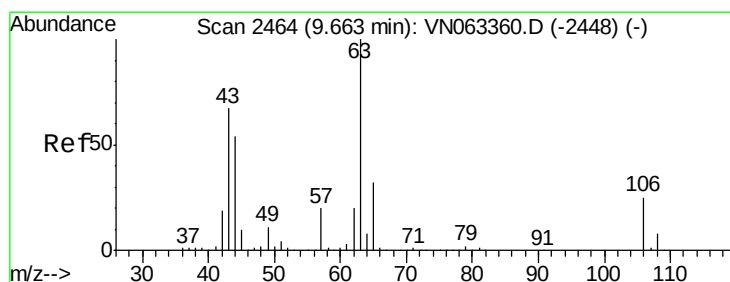
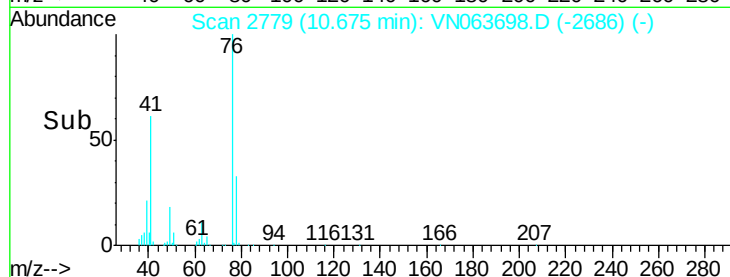
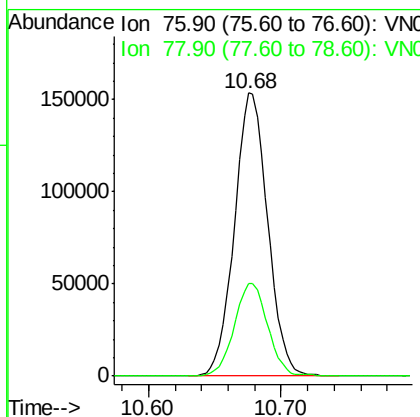
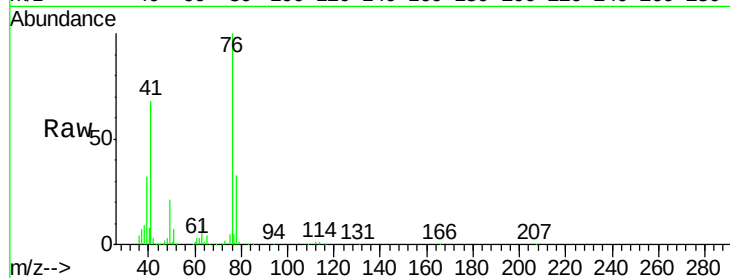
#57
 1,3-Dichloropropane
 Concen: 52.318 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.8	38.8

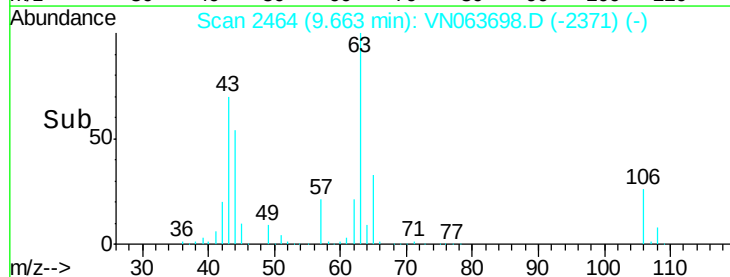
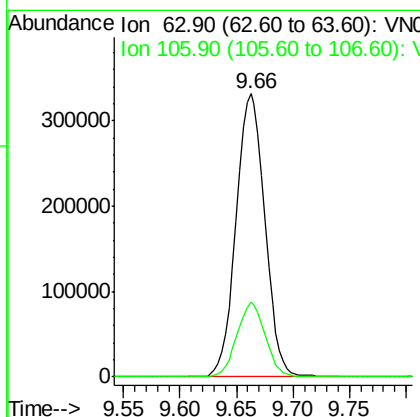
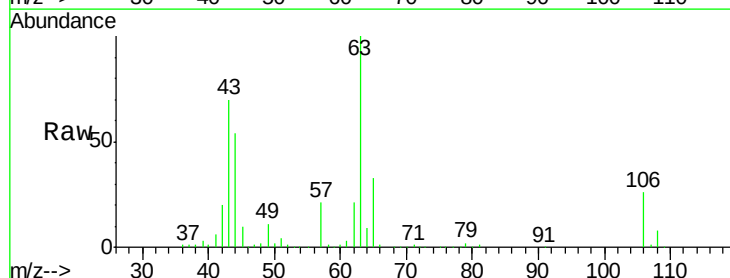
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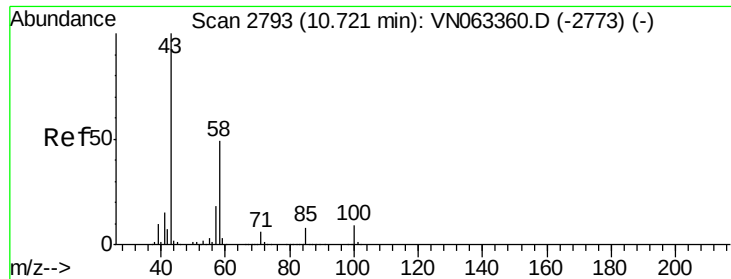
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#58
 2-Chloroethyl Vinyl ether
 Concen: 254.319 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	19.5	29.3





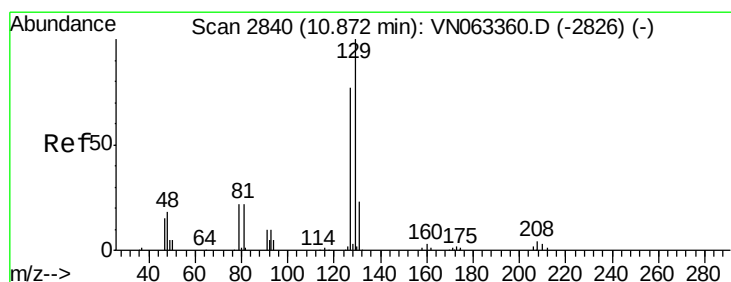
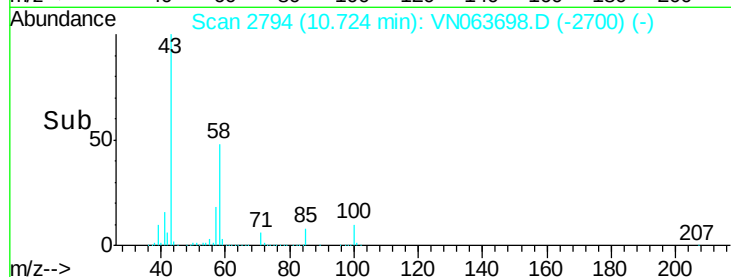
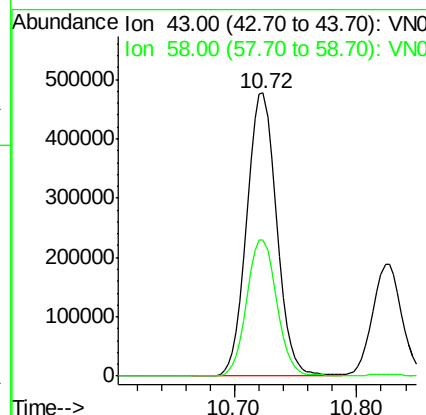
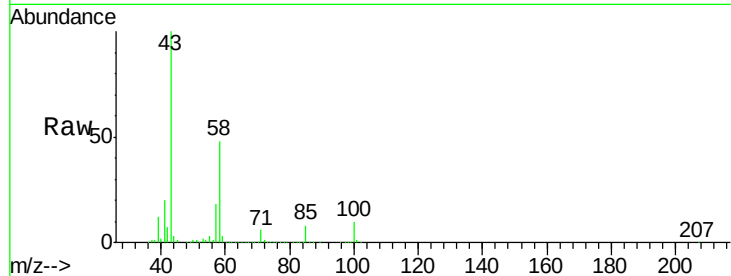
#59
2-Hexanone
Concen: 271.871 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 804014
Ion Ratio Lower Upper
43 100
58 48.5 24.7 74.1

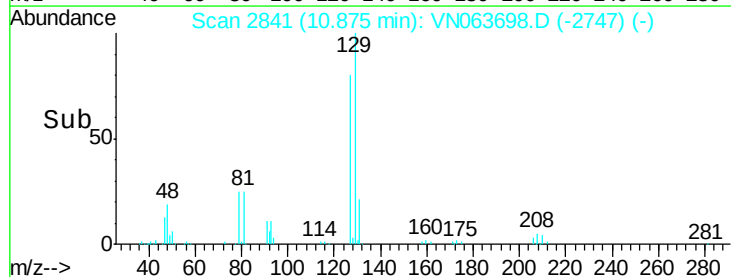
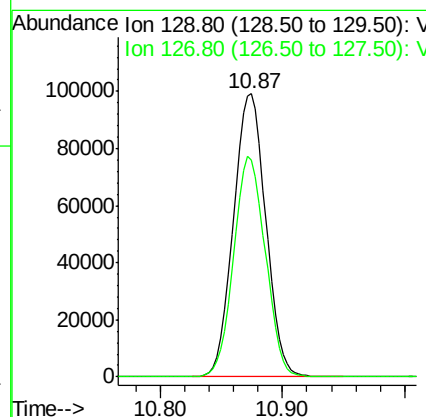
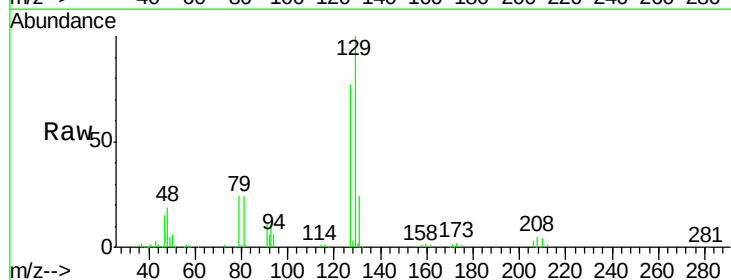
Manual Integrations
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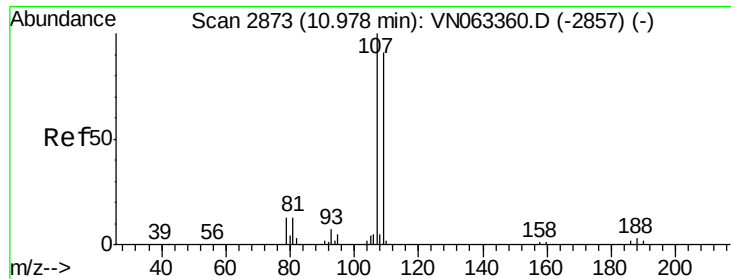
MMDadoda
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#60
Dibromochloromethane
Concen: 57.296 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion: 129 Resp: 183342
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.3





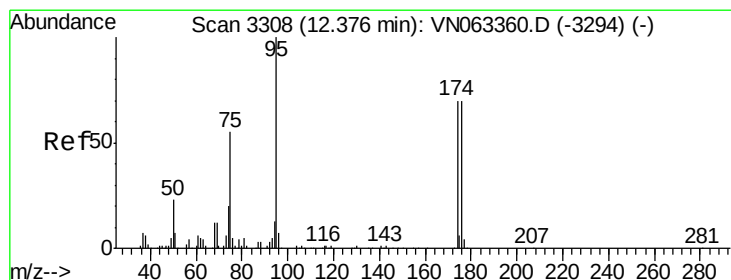
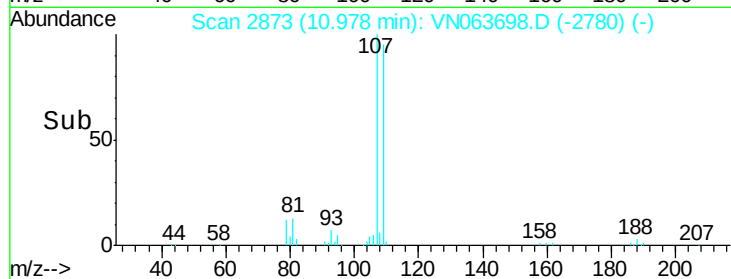
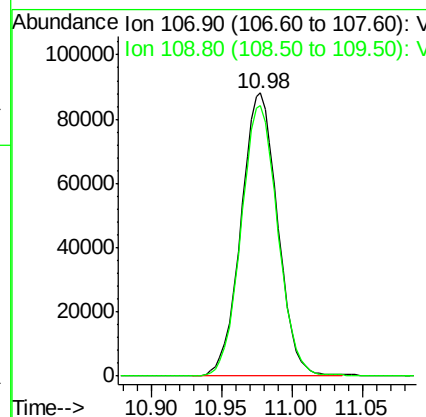
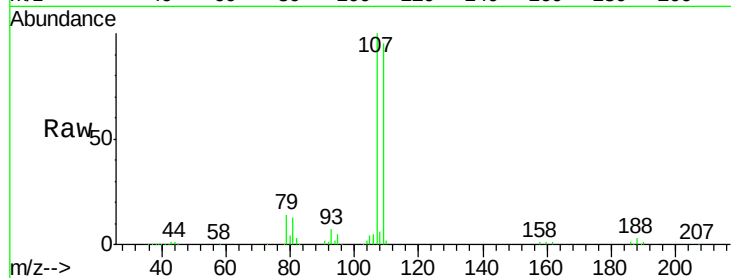
#61
 1,2-Dibromoethane
 Concen: 54.439 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.6	111.8

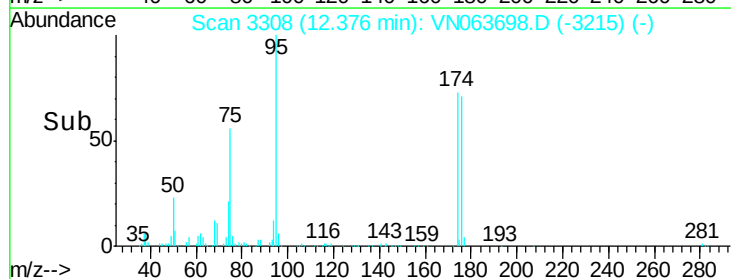
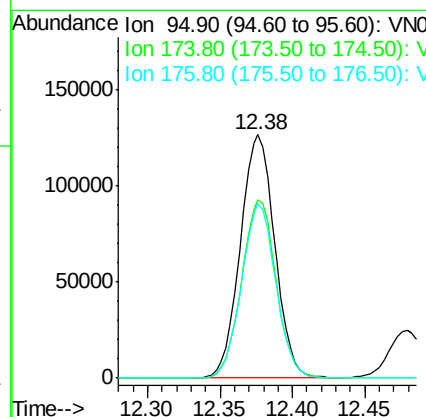
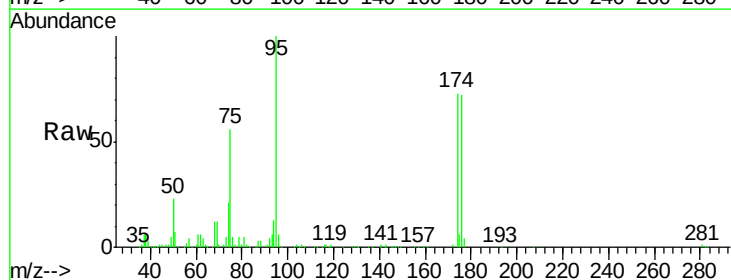
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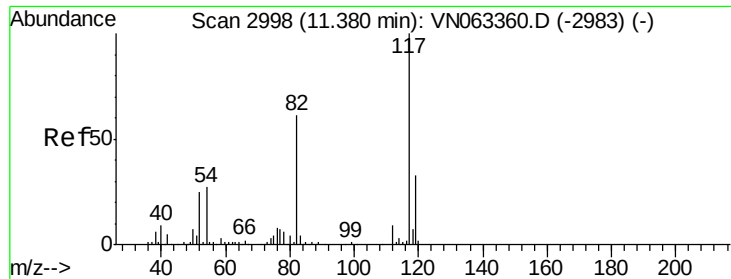
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#62
 4-Bromofluorobenzene
 Concen: 56.224 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	140.8
176	71.3	0.0	137.6





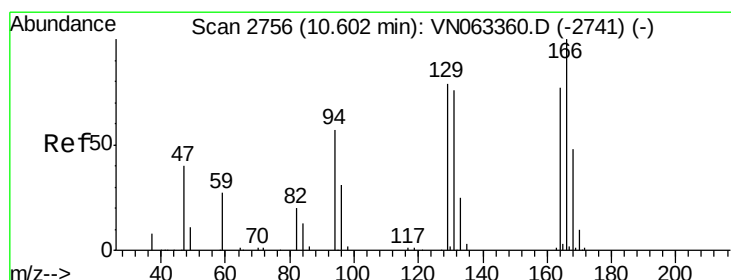
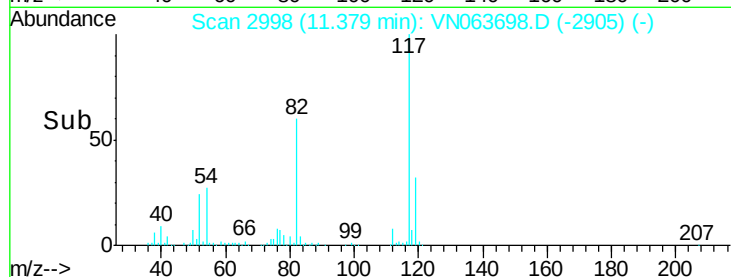
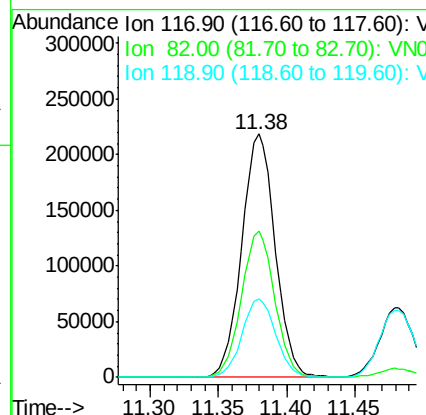
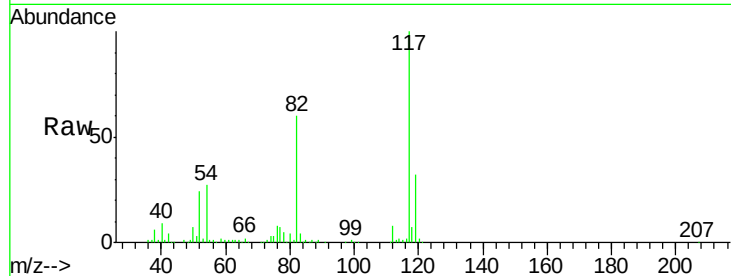
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	371563		
82	59.9	49.2	73.8	
119	32.1	26.2	39.4	

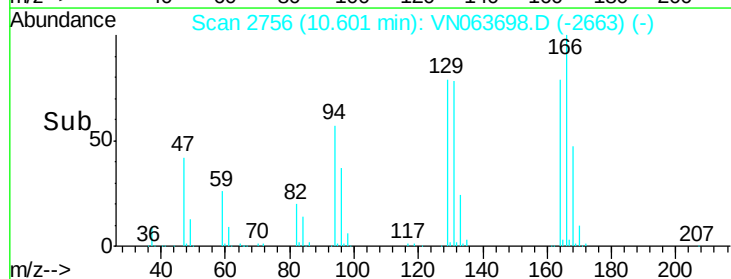
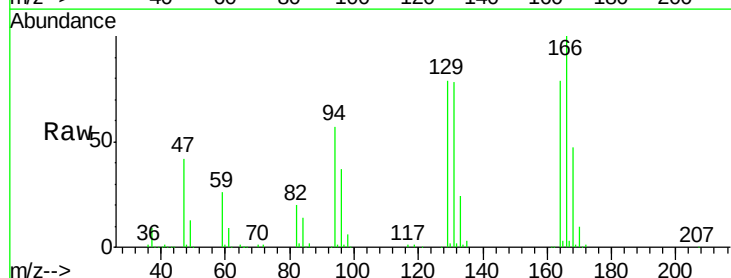
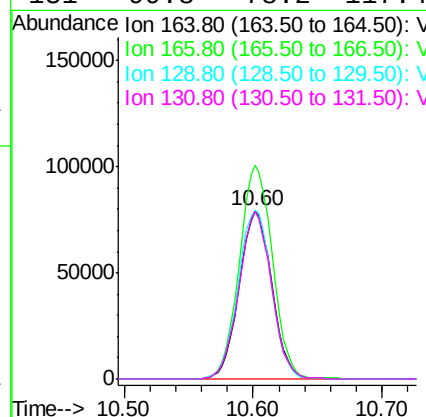
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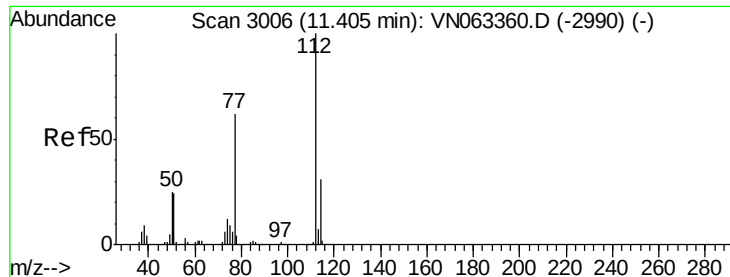
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#64
Tetrachloroethene
Concen: 55.281 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	139866		
166	127.3	103.4	155.0	
129	100.7	81.8	122.6	
131	99.8	78.2	117.4	





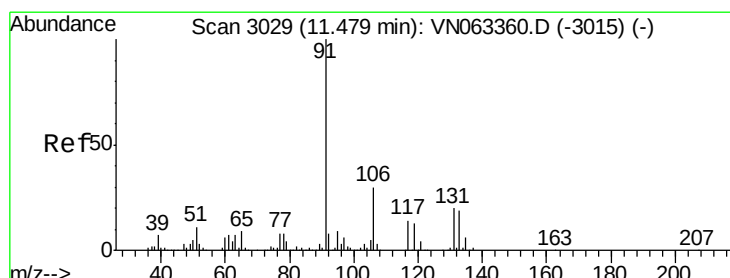
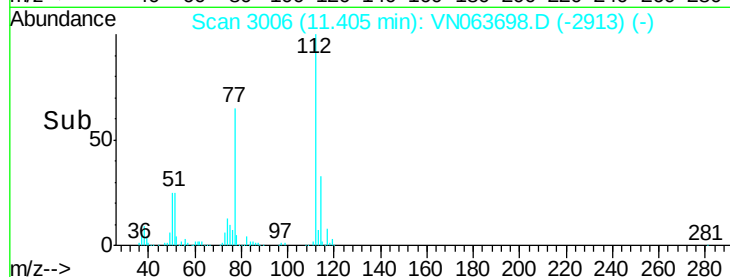
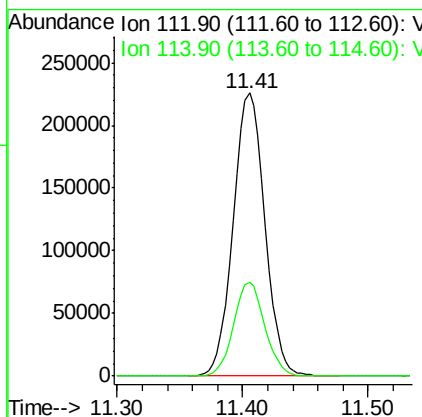
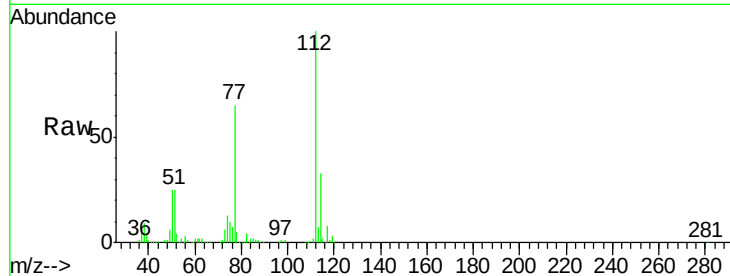
#65
Chlorobenzene
Concen: 50.245 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.0	37.6

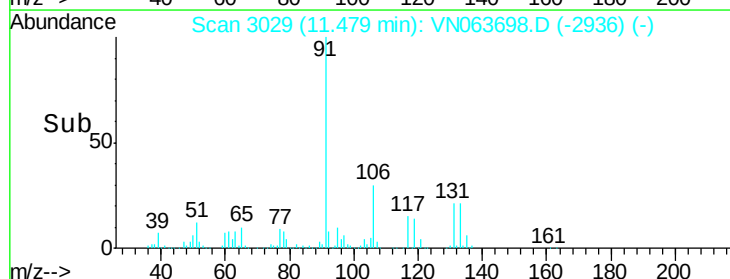
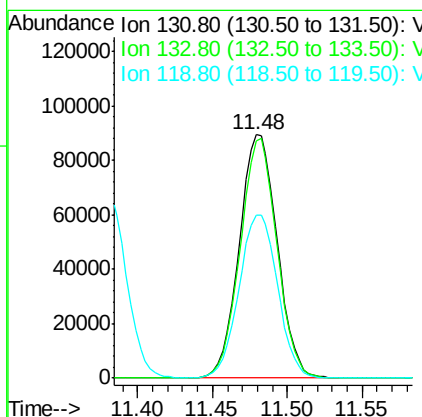
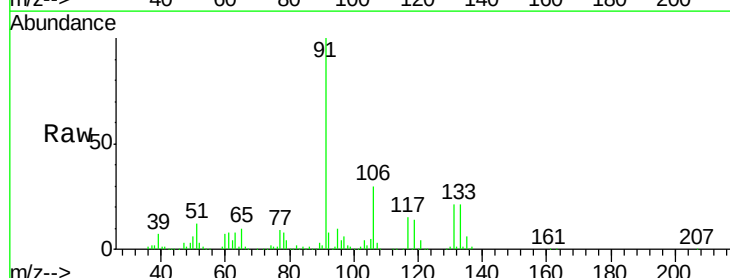
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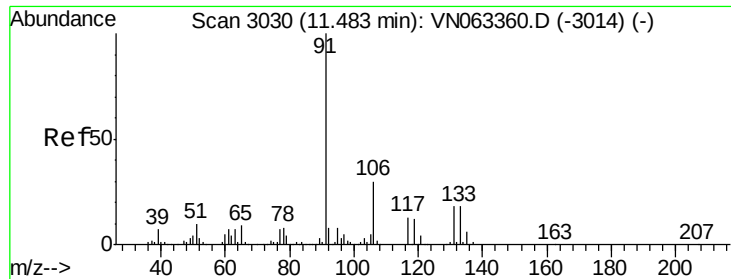
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.523 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	68.6	33.6	100.8





#67

Ethyl Benzene

Concen: 50.145 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 744805

Ion Ratio Lower Upper

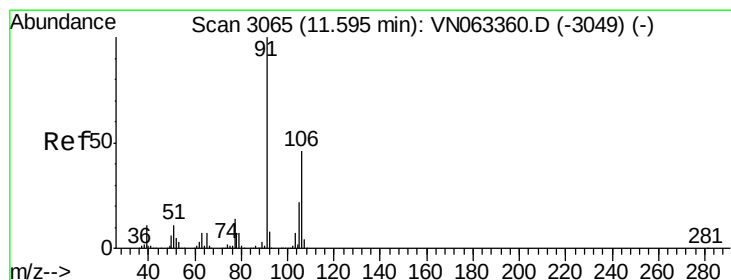
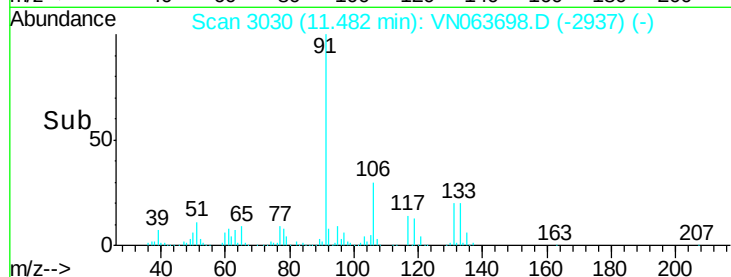
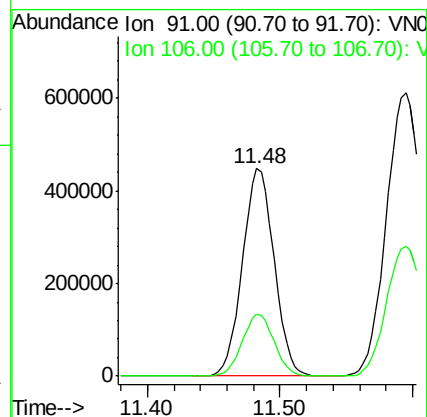
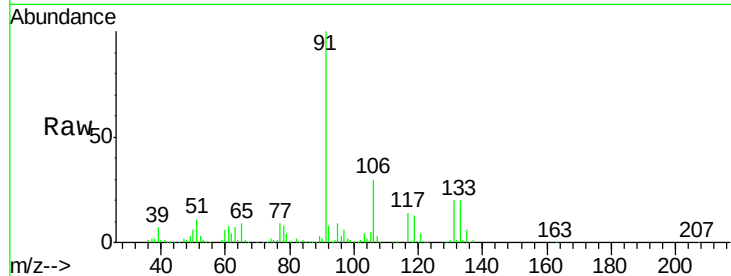
91 100

106 29.9 23.8 35.6

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9/29/2020 4:37:55 PM



#68

m/p-Xylenes

Concen: 102.530 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063698.D

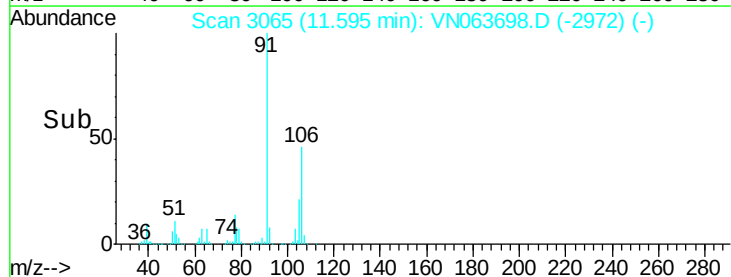
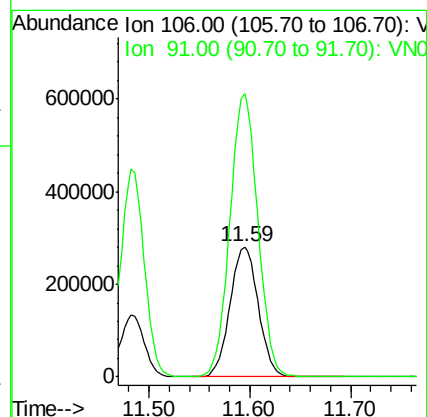
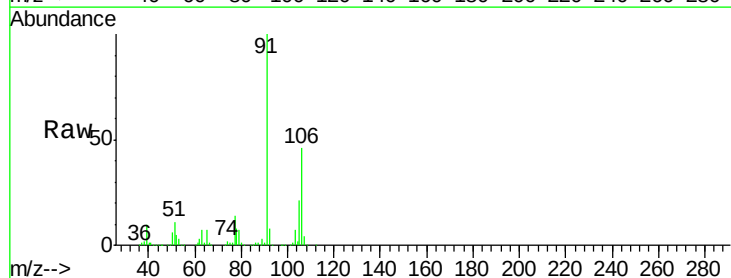
Acq: 28 Sep 2020 11:59

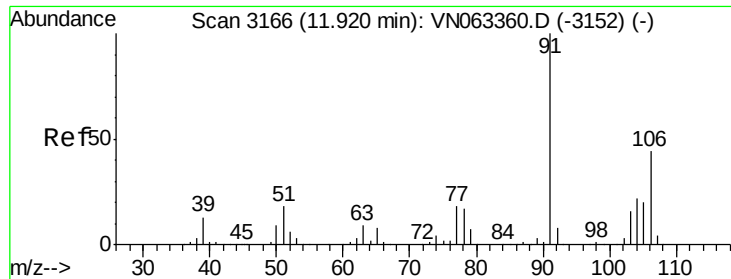
Tgt Ion: 106 Resp: 549083

Ion Ratio Lower Upper

106 100

91 214.0 171.2 256.8





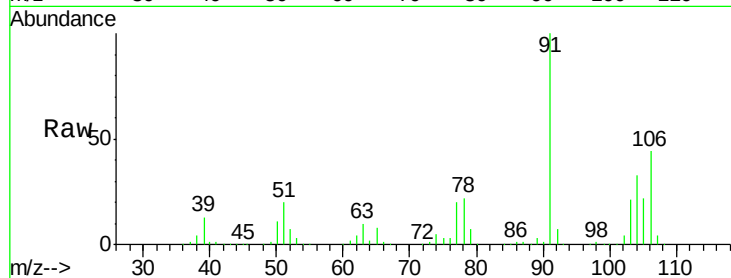
#69
o-Xylene
Concen: 51.406 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

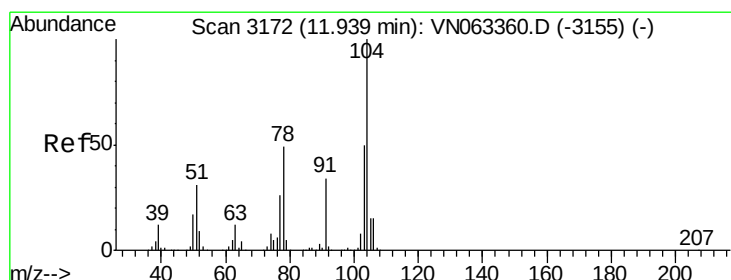
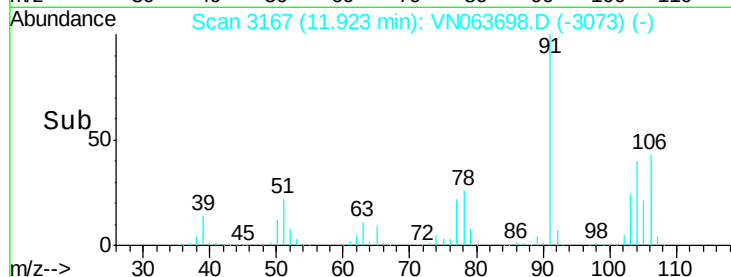
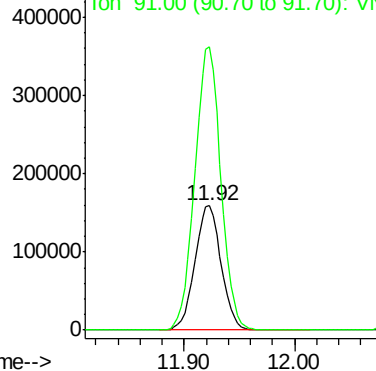
Tot Ion:106 Resp: 262247
Ion Ratio Lower Upper
106 100
91 225.9 113.6 340.8

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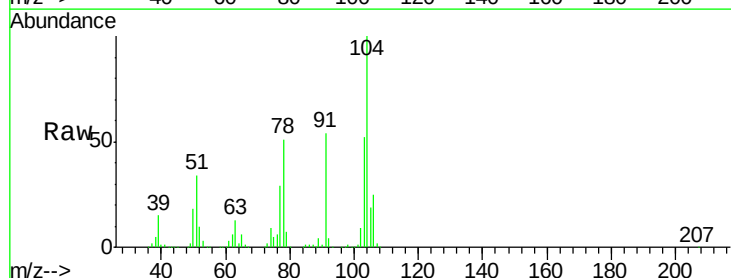


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

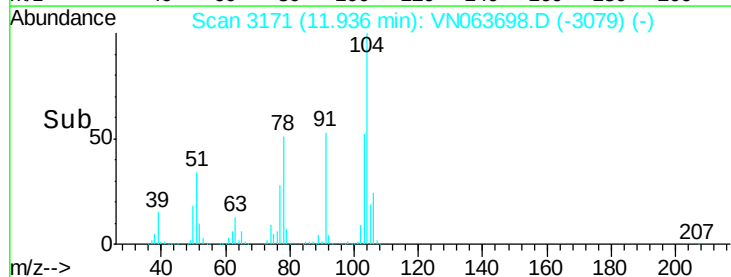
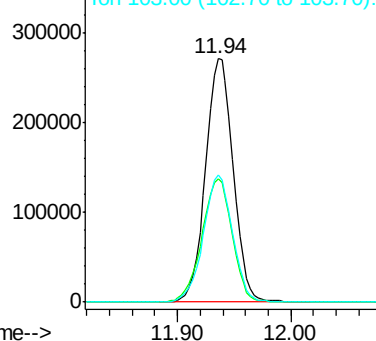


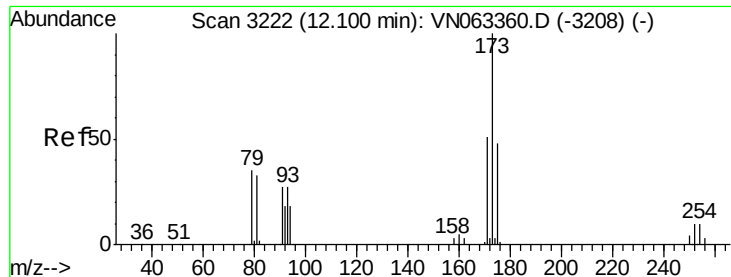
#70
Styrene
Concen: 54.181 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion:104 Resp: 463521
Ion Ratio Lower Upper
104 100
78 55.4 44.4 66.6
103 54.8 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 56.869 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

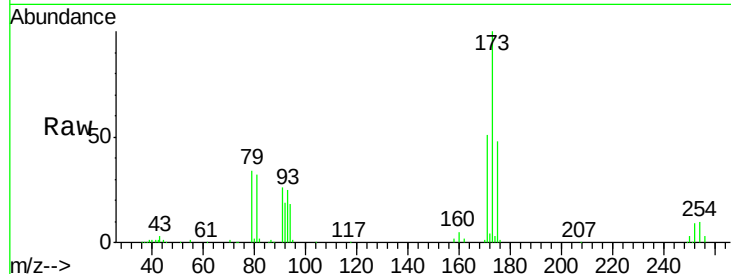
ClientSampleId :

VSTDCCC050

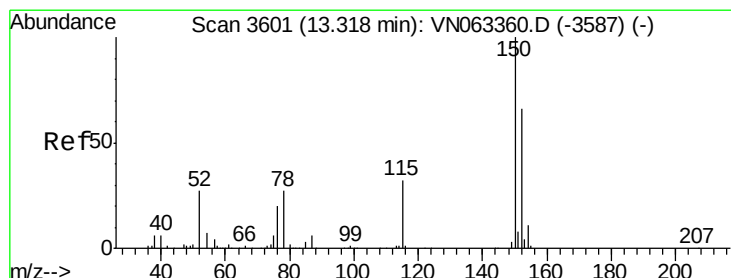
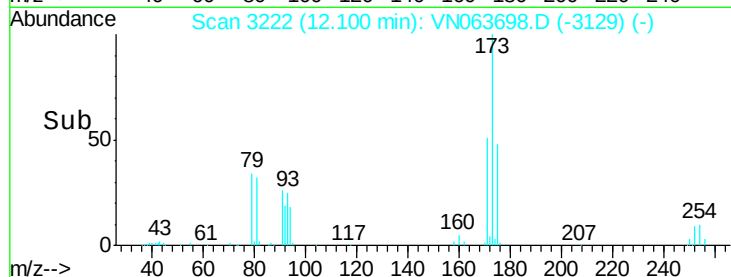
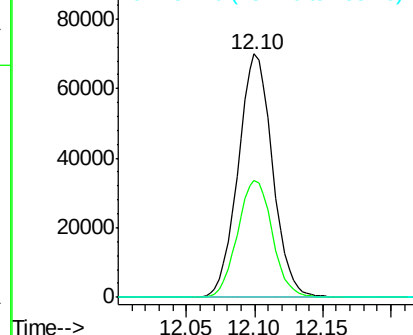
Tot Ion:	173	Resp:	122486
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.0	72.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

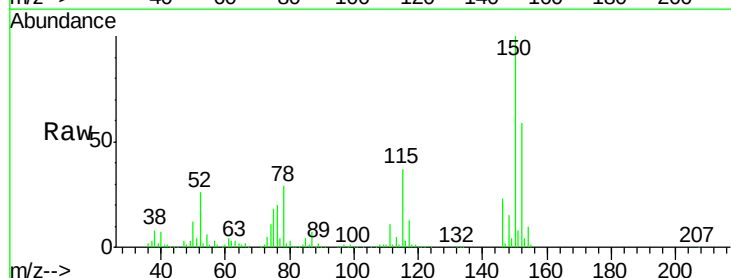
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

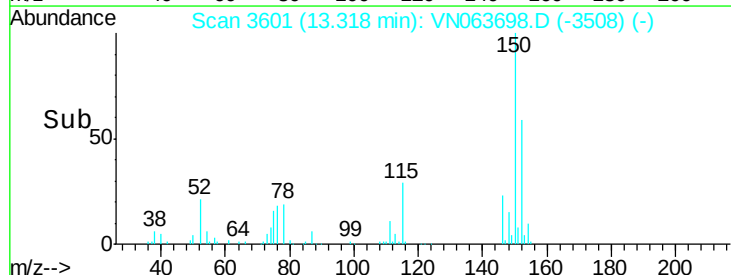
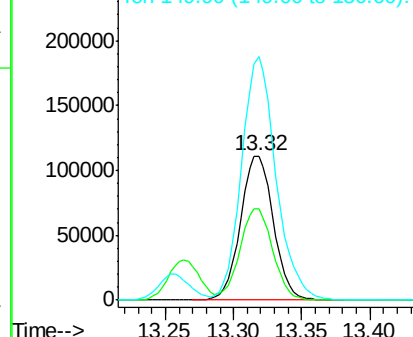
Lab File: VN063698.D

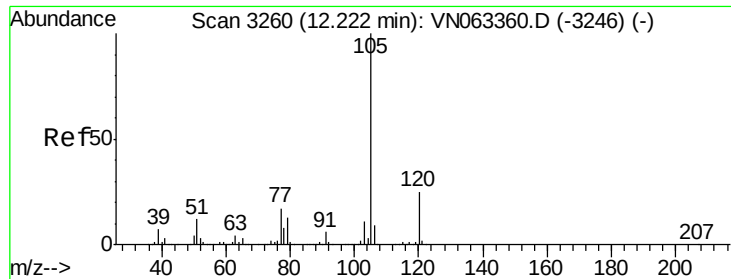
Acq: 28 Sep 2020 11:59

Tgt Ion:	152	Resp:	185801
Ion Ratio	Lower	Upper	
152	100		
115	62.9	32.2	96.6
150	177.0	0.0	343.4



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





#73

Isopropylbenzene

Concen: 47.477 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 706891

Ion Ratio Lower Upper

105 100

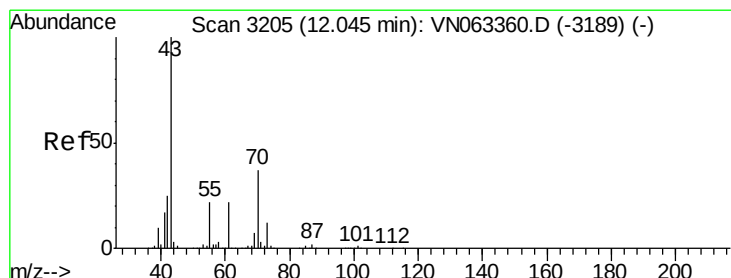
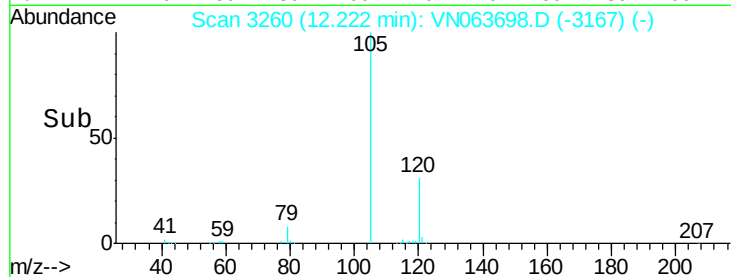
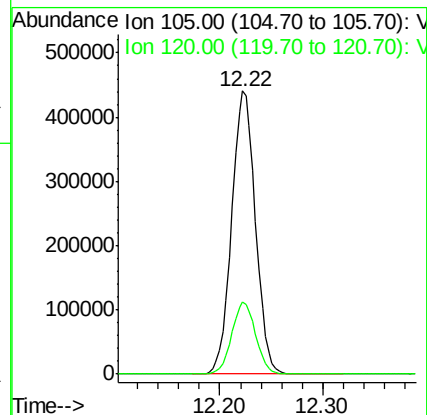
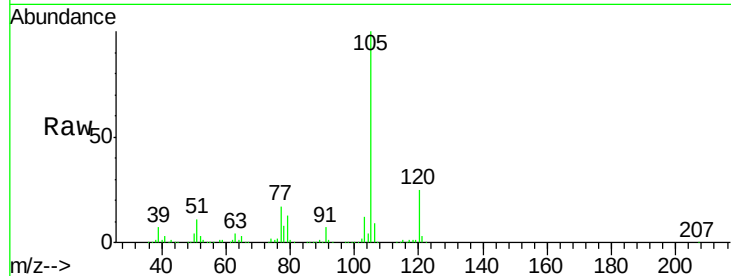
120 25.6 12.7 38.0

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#74

N-ethyl acetate

Concen: 46.592 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Tgt Ion: 43 Resp: 328379

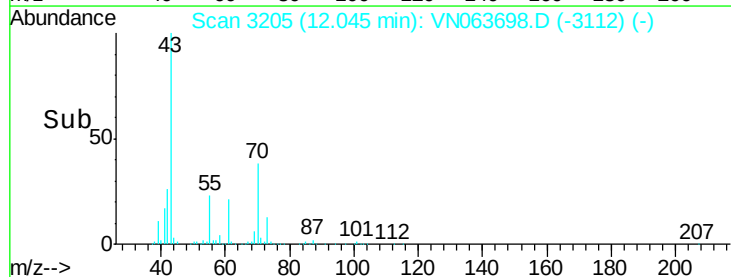
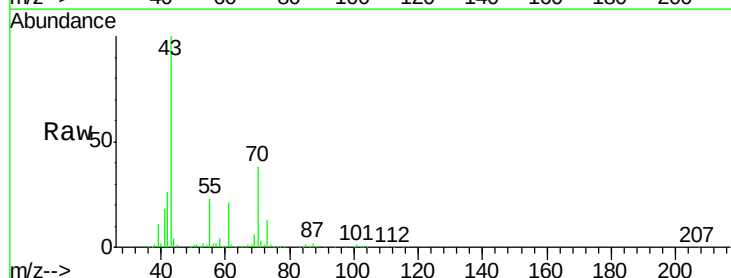
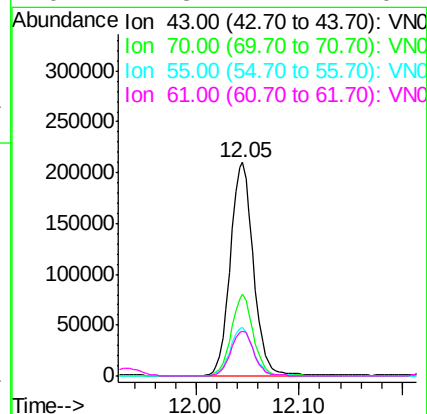
Ion Ratio Lower Upper

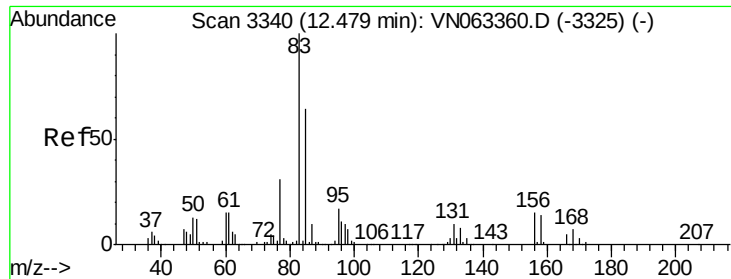
43 100

70 36.8 29.6 44.4

55 22.9 17.7 26.5

61 21.3 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.313 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 227338

Ion Ratio Lower Upper

83 100

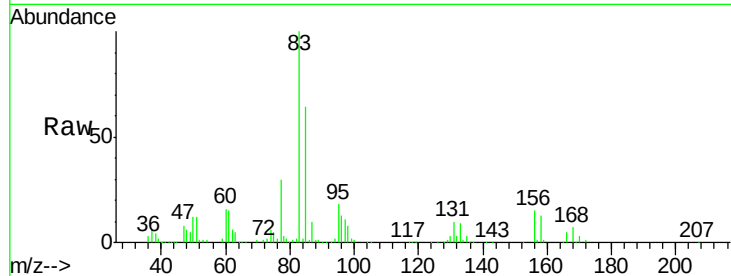
131 10.3 4.9 14.7

85 64.7 32.0 96.0

Manual Integrations
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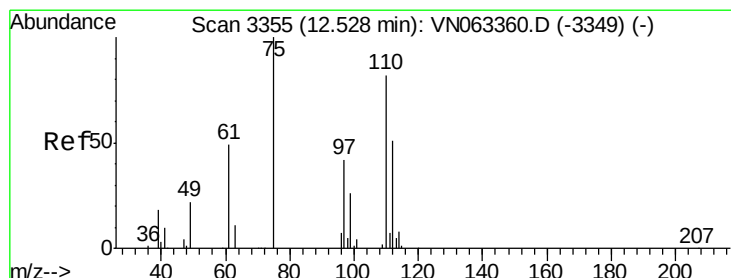
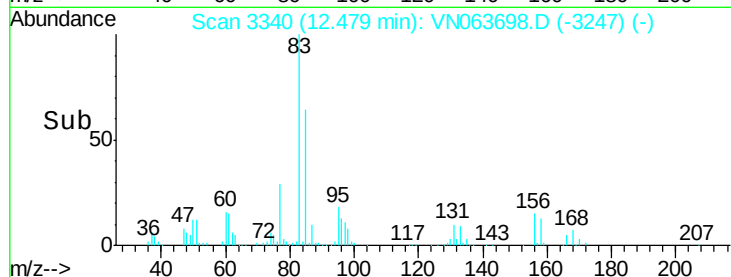
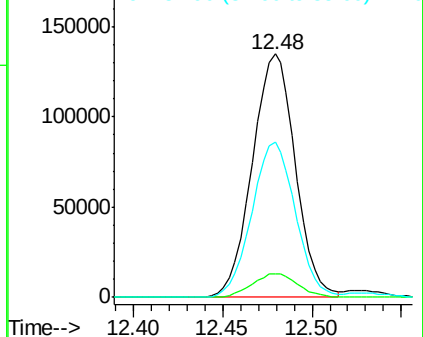
9/29/2020 4:37:55 PM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 45.991 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063698.D

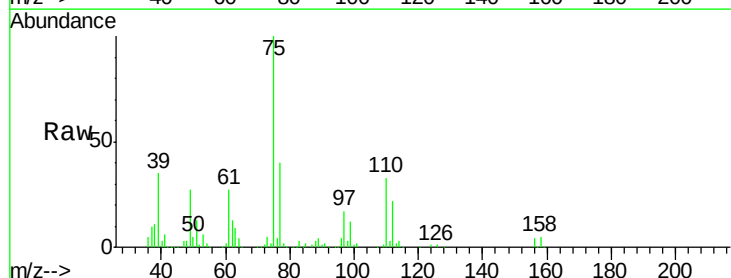
Acq: 28 Sep 2020 11:59

Tgt Ion: 75 Resp: 211503

Ion Ratio Lower Upper

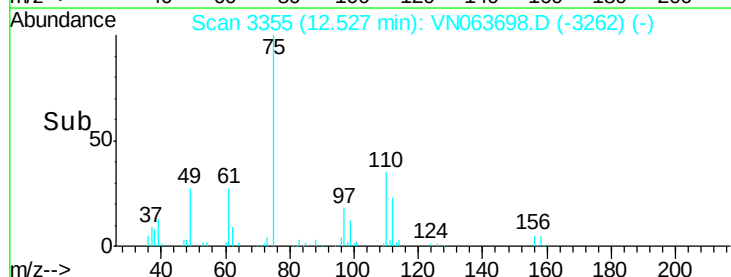
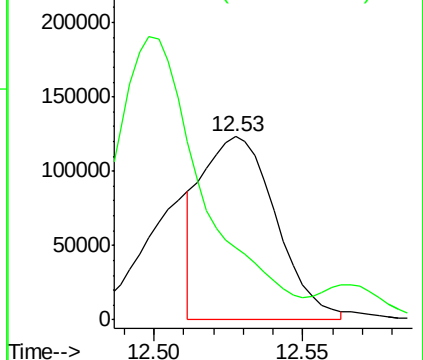
75 100

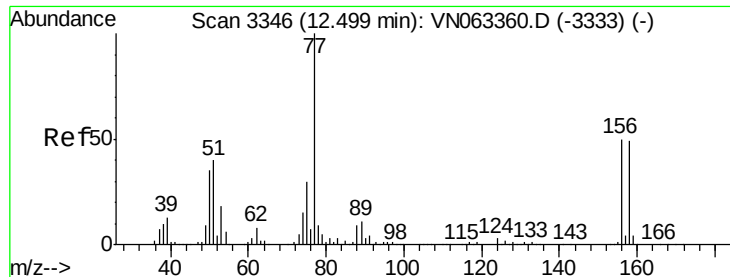
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.564 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 176048

Ion Ratio Lower Upper

156 100

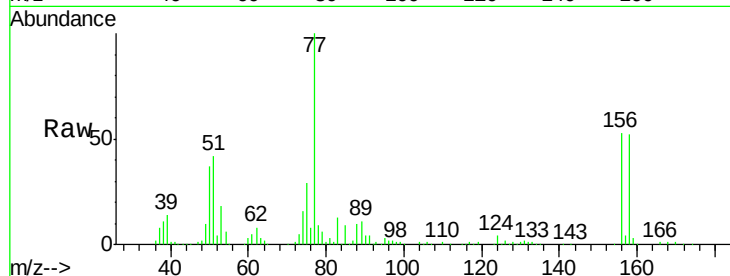
77 225.6 120.2 360.6

158 96.4 48.9 146.6

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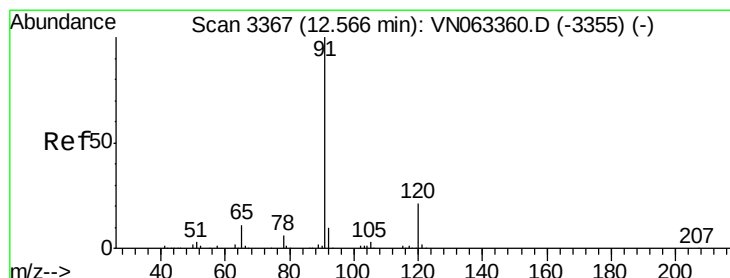
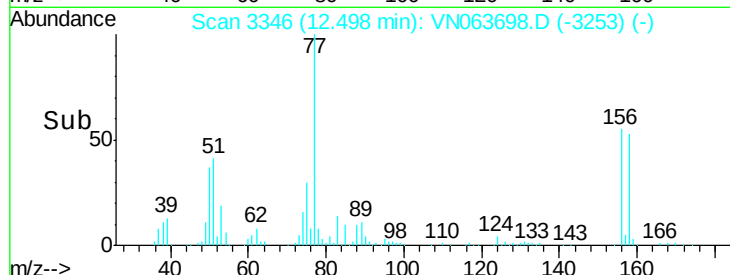
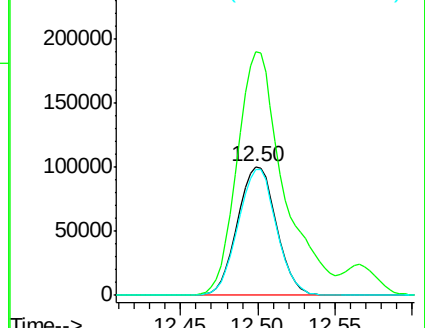
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.954 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063698.D

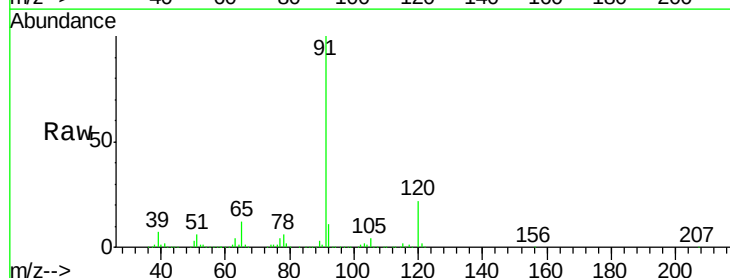
Acq: 28 Sep 2020 11:59

Tgt Ion: 91 Resp: 831605

Ion Ratio Lower Upper

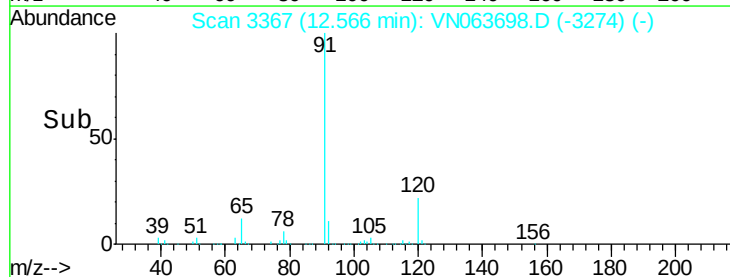
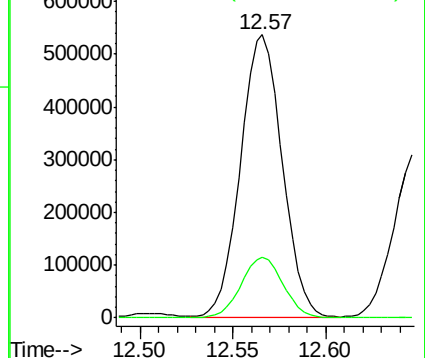
91 100

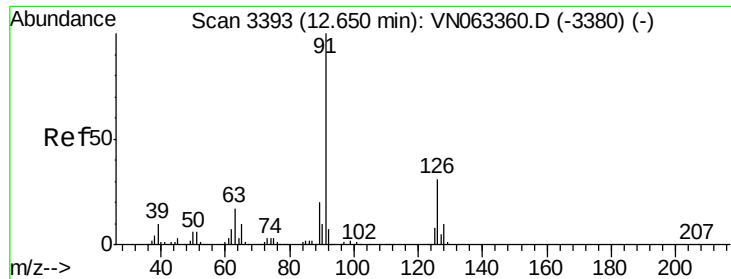
120 21.8 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.833 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 507636

Ion Ratio Lower Upper

91 100

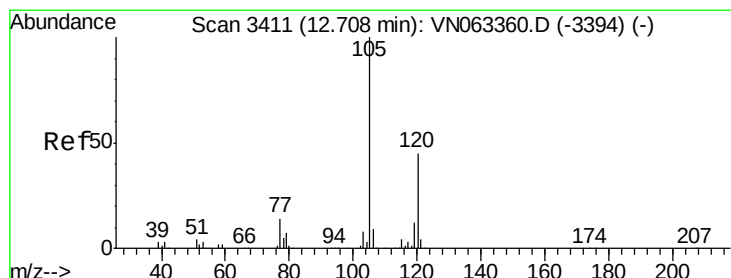
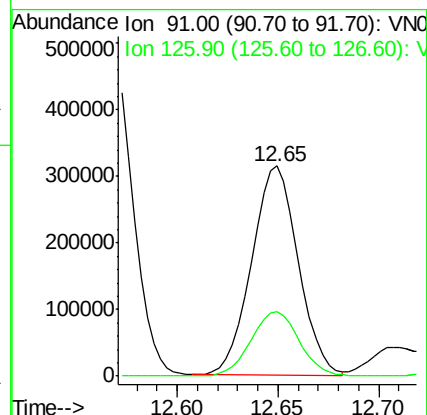
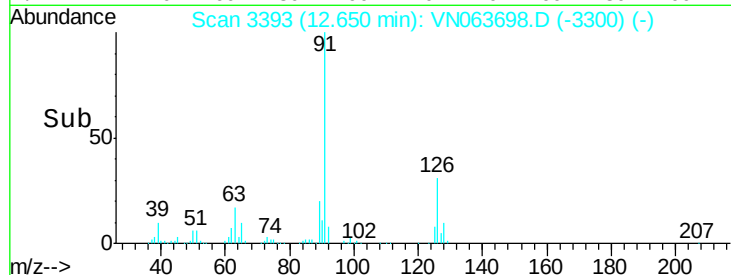
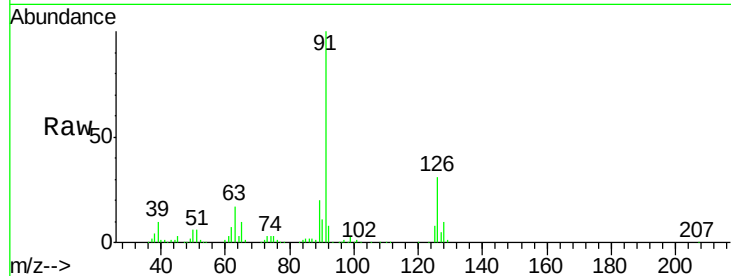
126 31.9 15.8 47.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.294 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063698.D

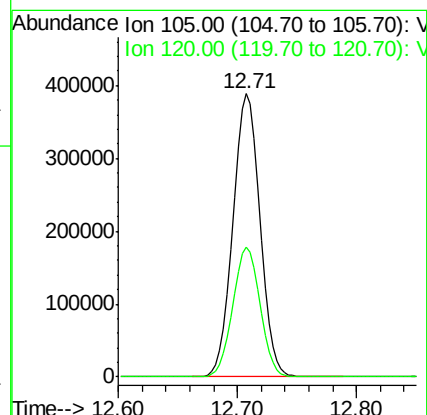
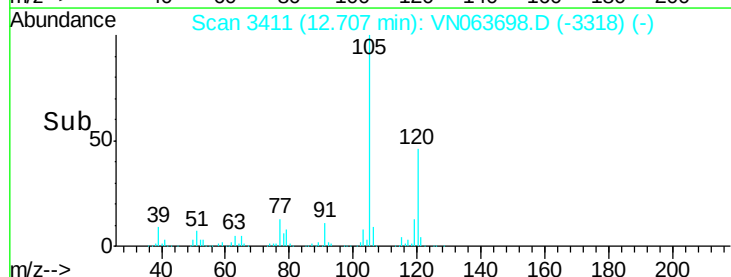
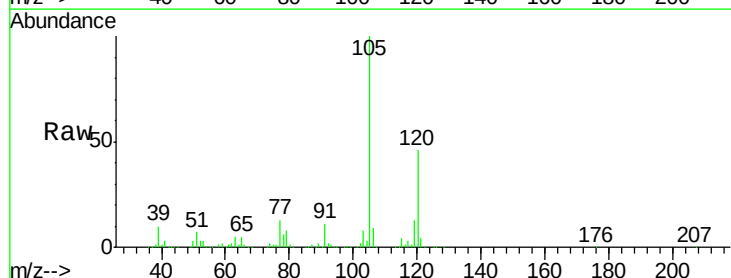
Acq: 28 Sep 2020 11:59

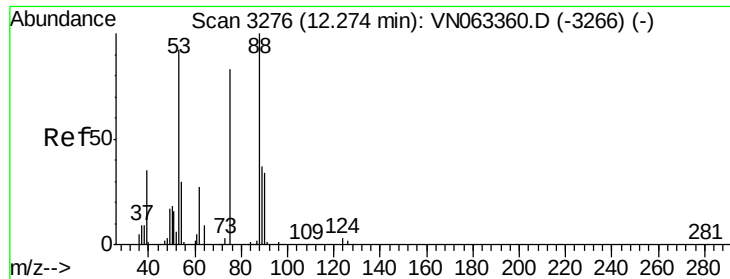
Tgt Ion: 105 Resp: 612010

Ion Ratio Lower Upper

105 100

120 46.2 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.643 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

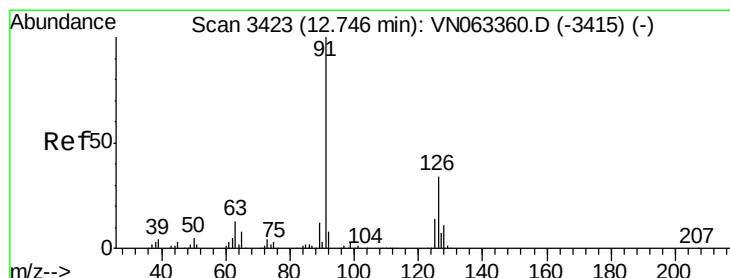
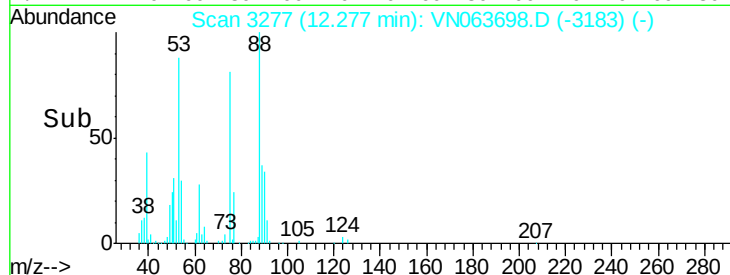
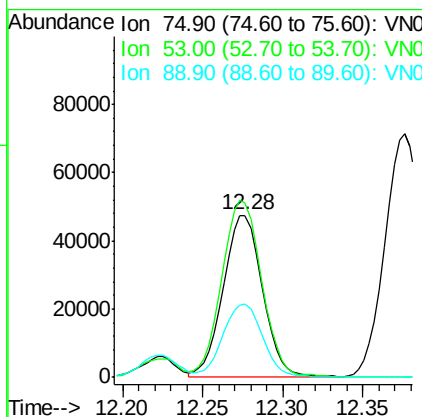
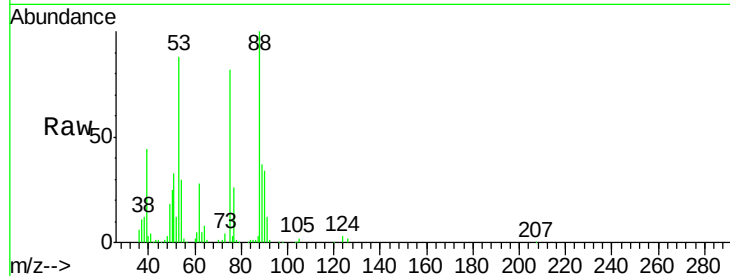
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	78239
Ion	Ratio	Lower	Upper
75	100		
53	112.4	85.7	128.5
89	46.7	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.864 ug/l

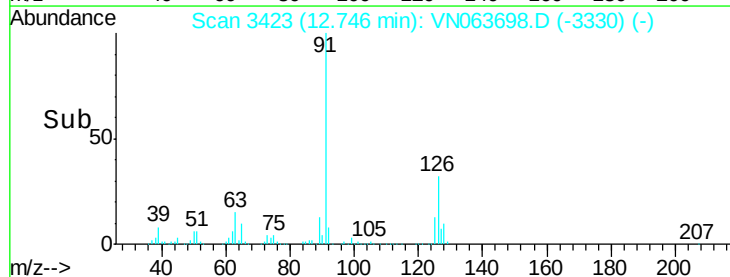
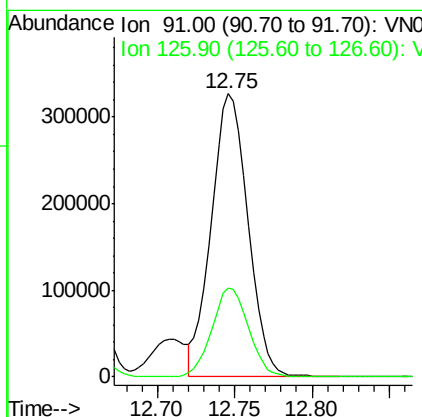
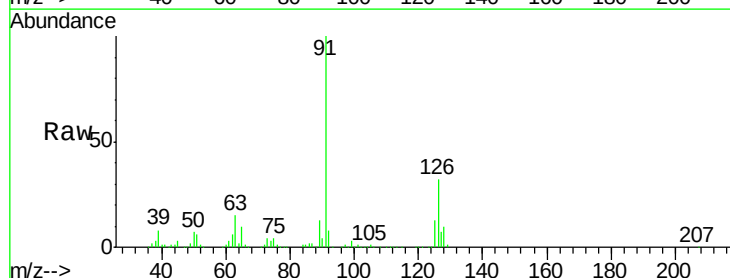
RT: 12.75 min Scan# 3423

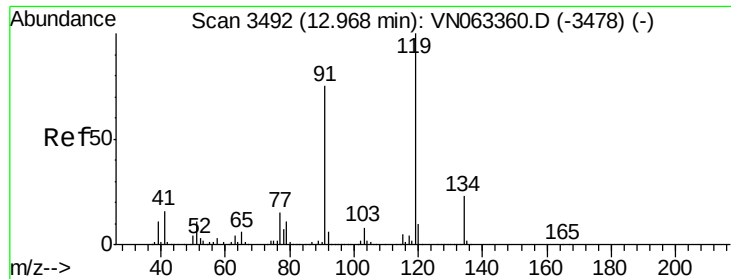
Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Tgt Ion:	91	Resp:	536698
Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.5	46.5





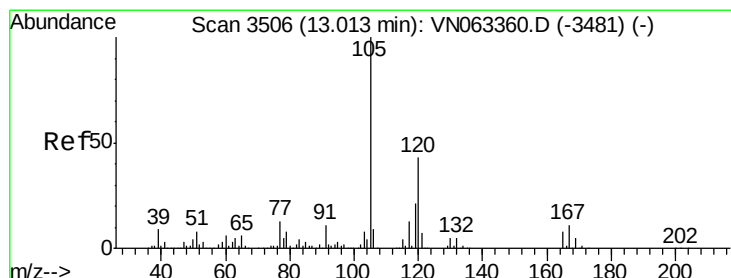
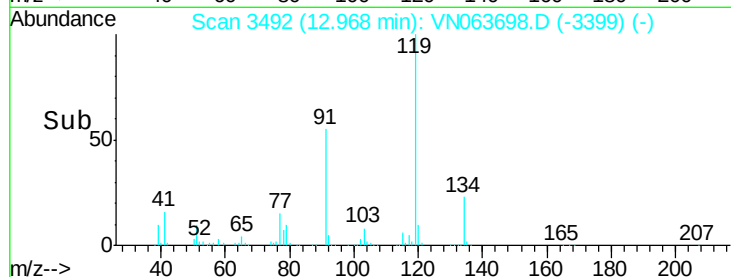
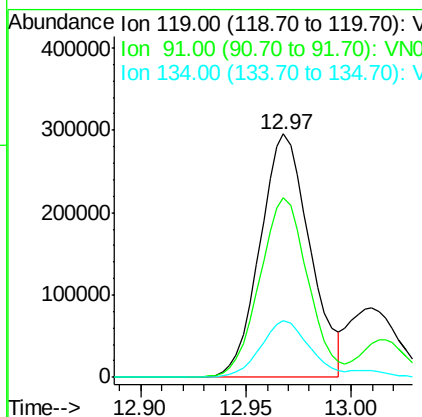
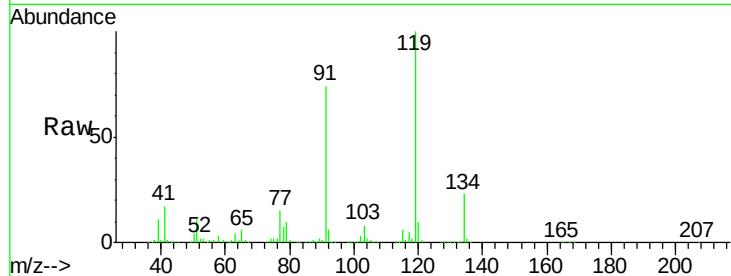
#83
 tert-Butylbenzene
 Concen: 47.418 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	485895		
91	71.9		36.3	108.9
134	22.9		12.3	36.8

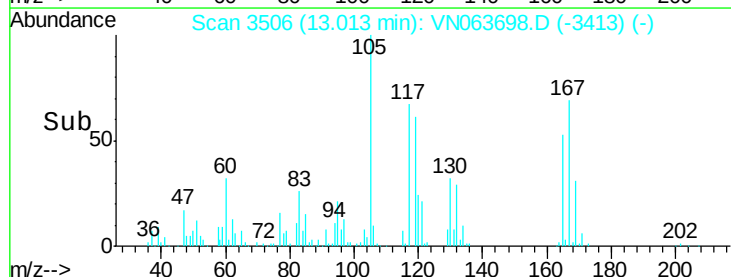
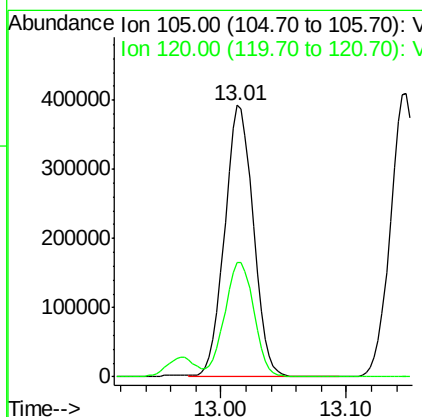
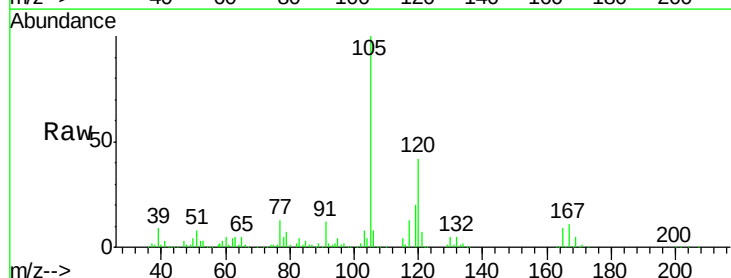
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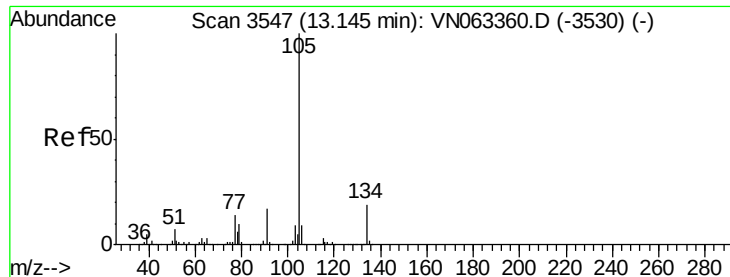
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.451 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	620151		
120	43.2		21.3	63.9





#85

sec-Butylbenzene

Concen: 47.356 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 649547

Ion Ratio Lower Upper

105 100

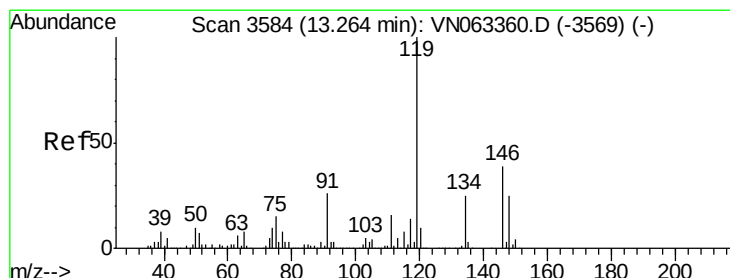
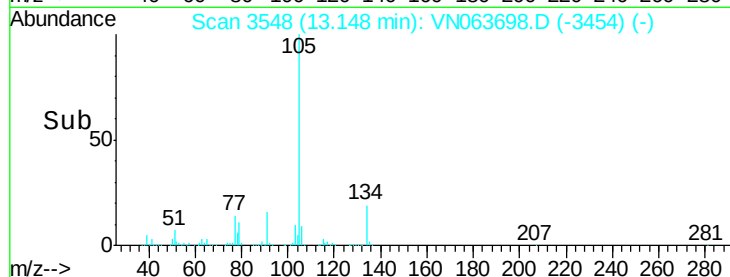
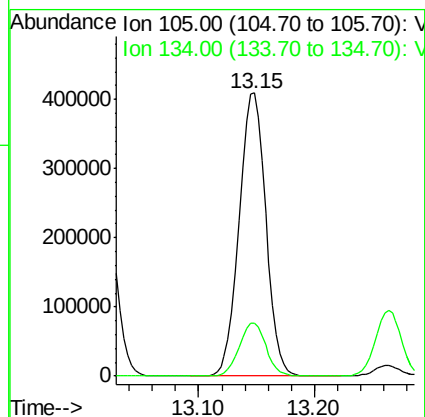
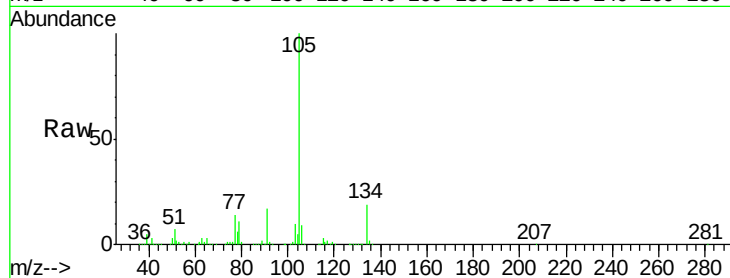
134 18.7 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.040 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

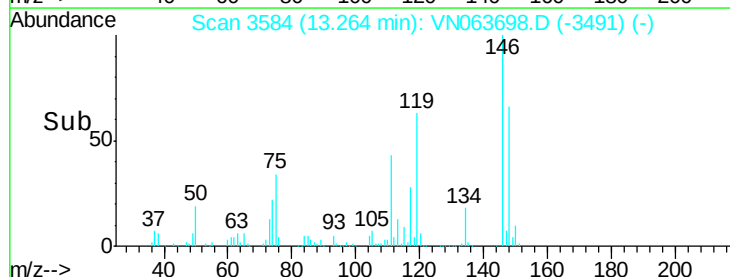
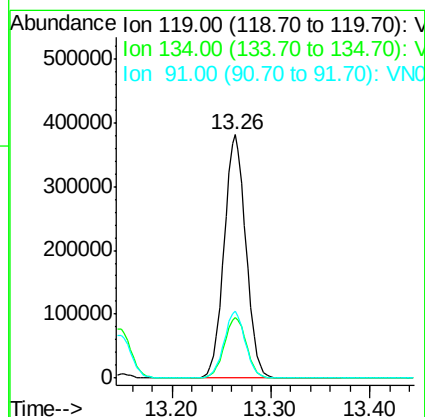
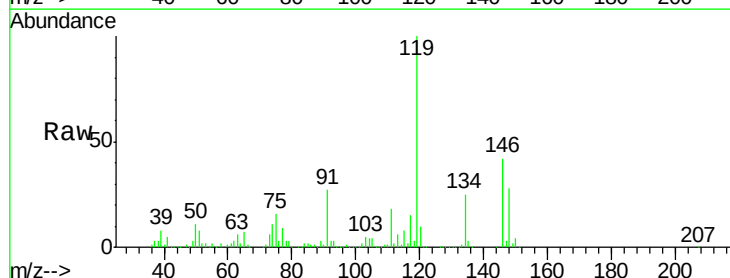
Tgt Ion:119 Resp: 593292

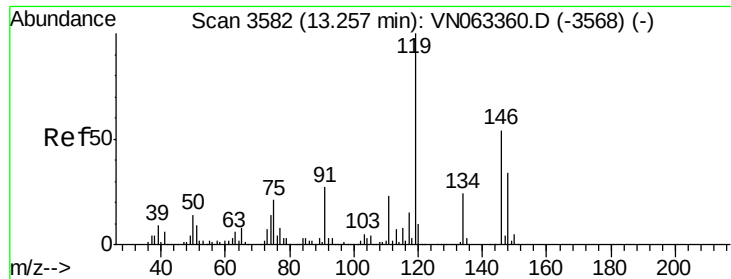
Ion Ratio Lower Upper

119 100

134 25.3 12.5 37.5

91 26.6 13.4 40.1





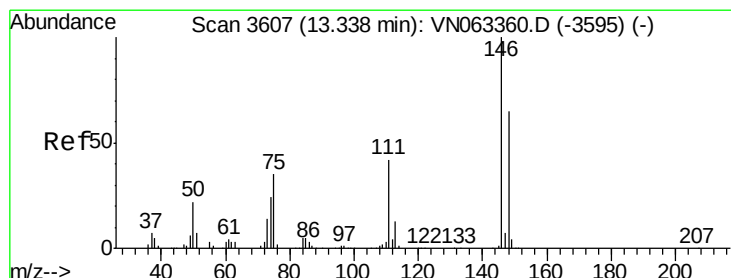
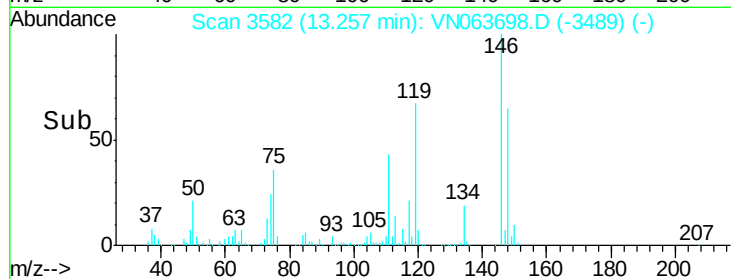
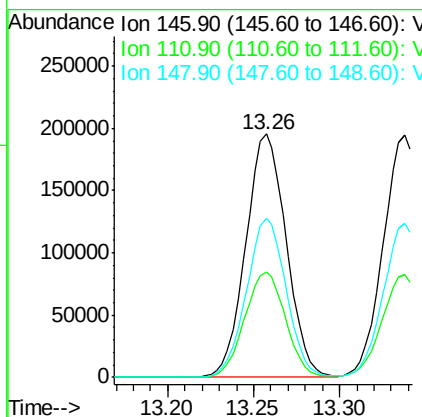
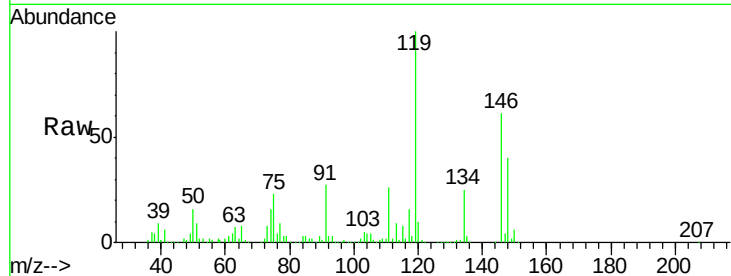
#87
 1,3-Dichlorobenzene
 Concen: 51.449 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	319375		
111	43.6	21.4	64.3	
148	64.0	31.9	95.7	

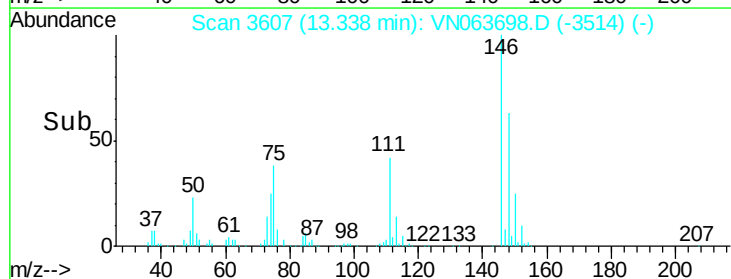
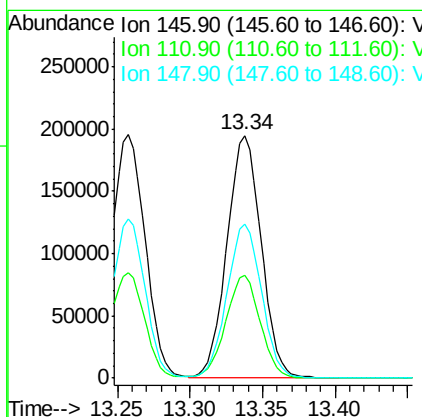
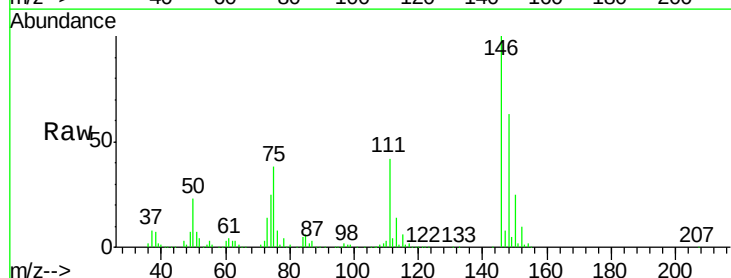
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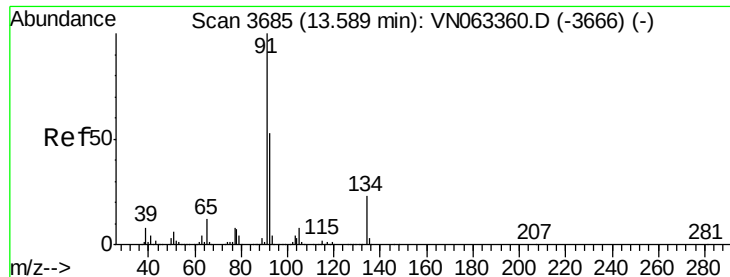
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#88
 1,4-Dichlorobenzene
 Concen: 50.454 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	318428		
111	42.3	21.2	63.6	
148	64.0	31.9	95.9	





#89

n-Butylbenzene

Concen: 46.050 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Instrument :

MSVOA_N

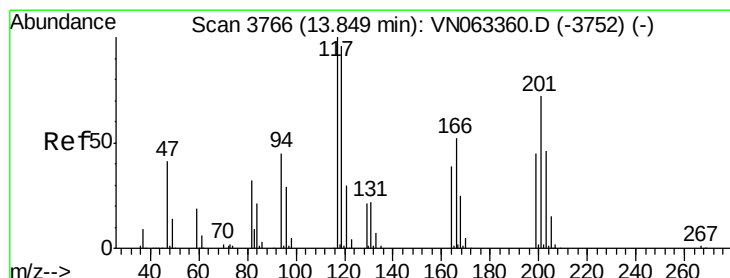
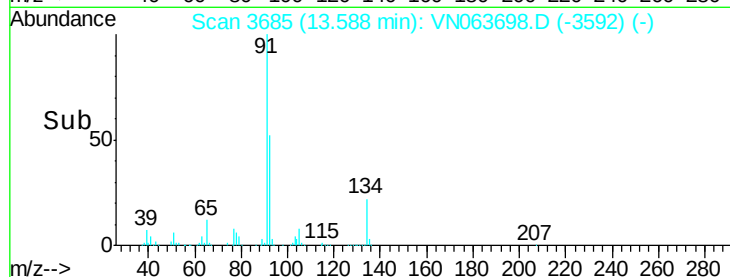
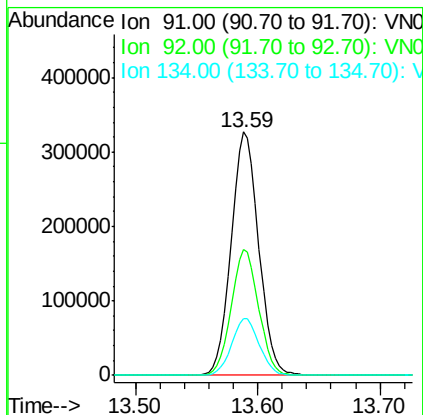
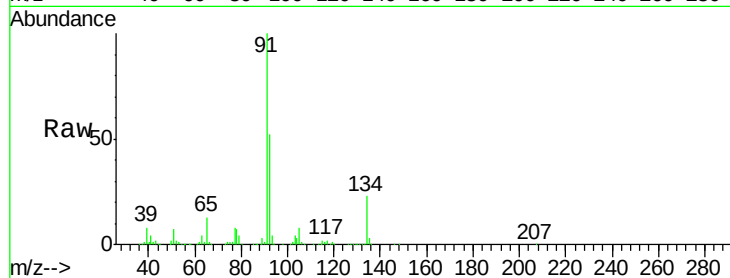
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	513518
Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	23.6	11.7	35.0

Manual Integrations
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#90

Hexachloroethane

Concen: 48.128 ug/l

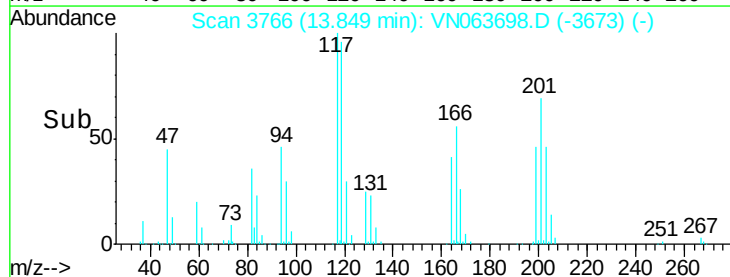
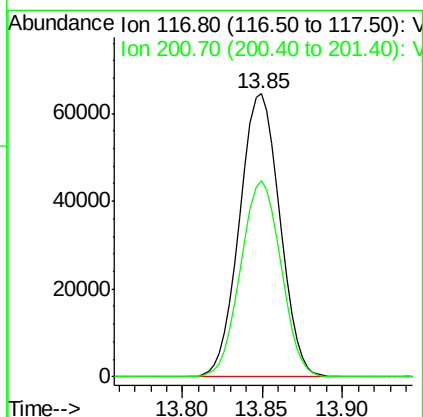
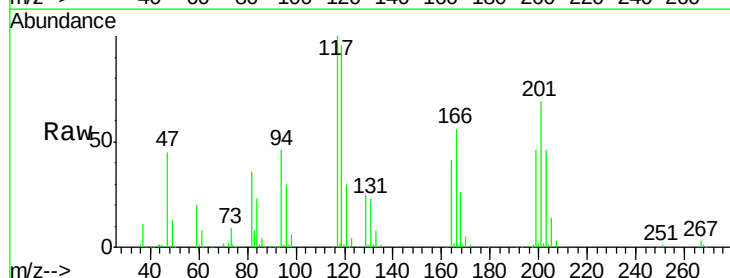
RT: 13.85 min Scan# 3766

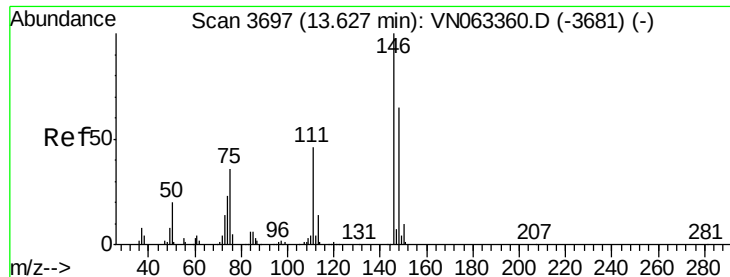
Delta R.T. -0.00 min

Lab File: VN063698.D

Acq: 28 Sep 2020 11:59

Tgt Ion:	117	Resp:	110870
Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.5	106.7





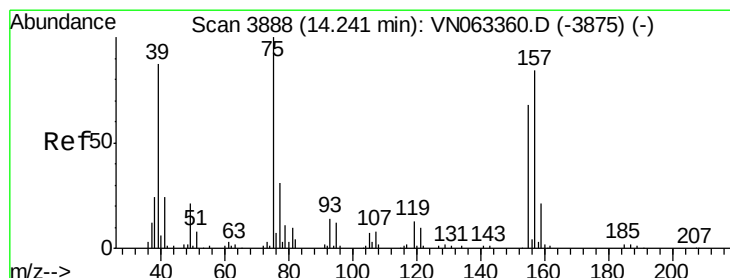
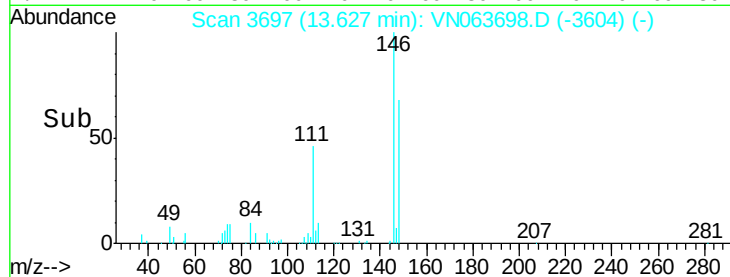
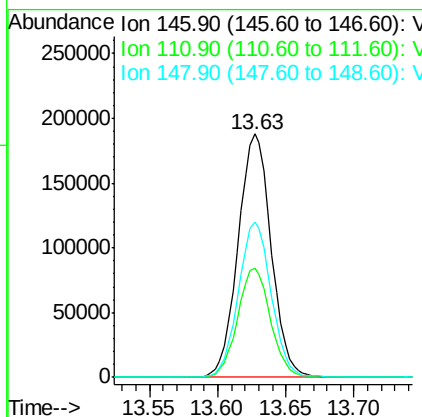
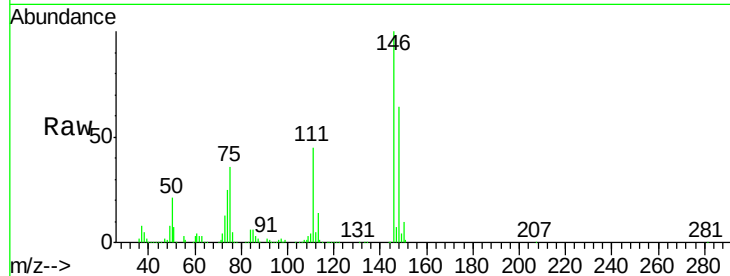
#91
 1,2-Dichlorobenzene
 Concen: 51.883 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.2
148	63.5	32.0	96.0

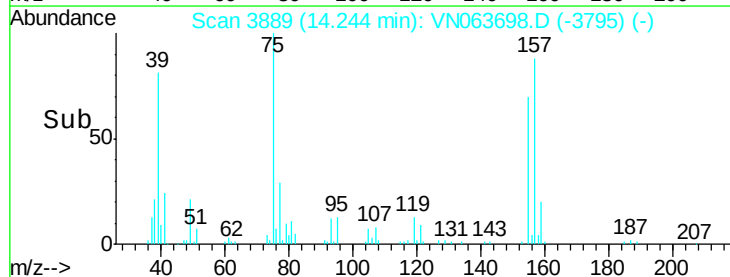
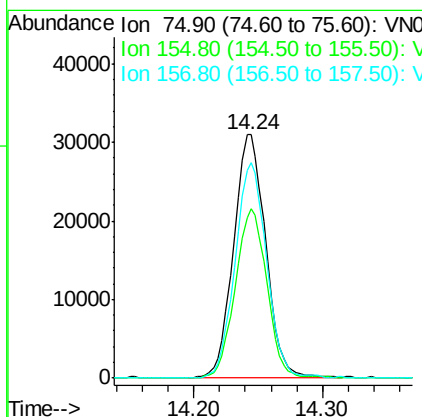
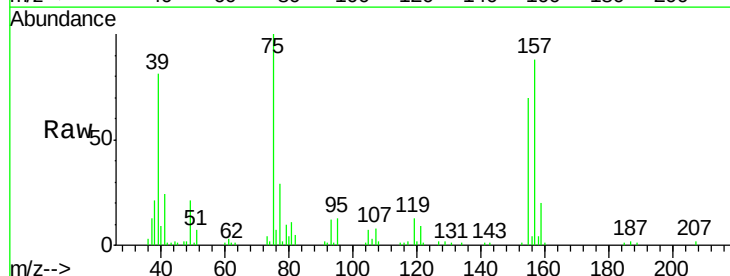
Manual Integrations
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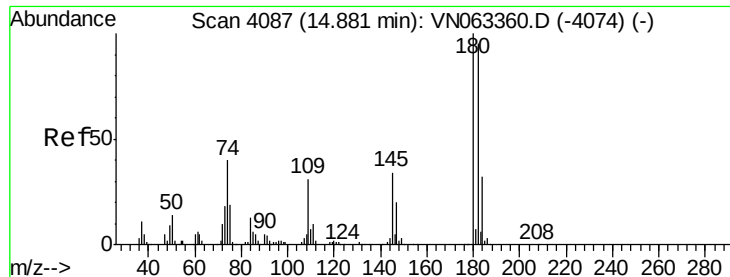
MMDadoda
 9/29/2020 4:37:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.866 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.4	34.6	103.9
157	86.2	43.7	131.1





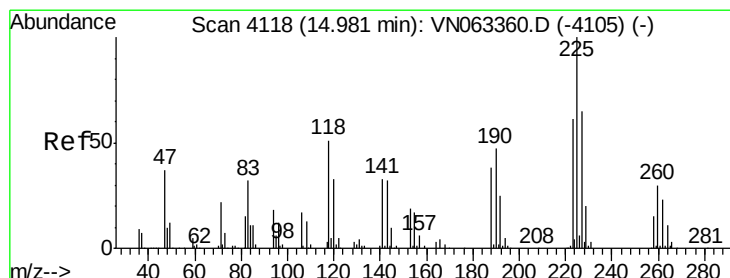
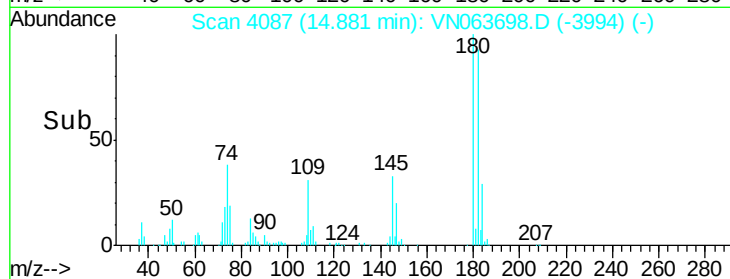
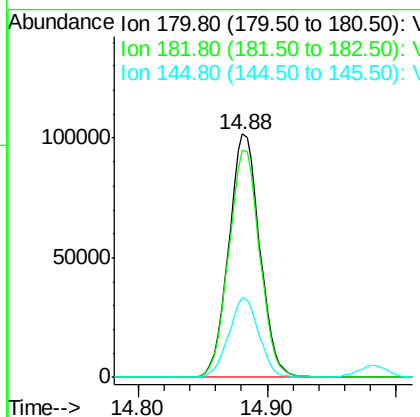
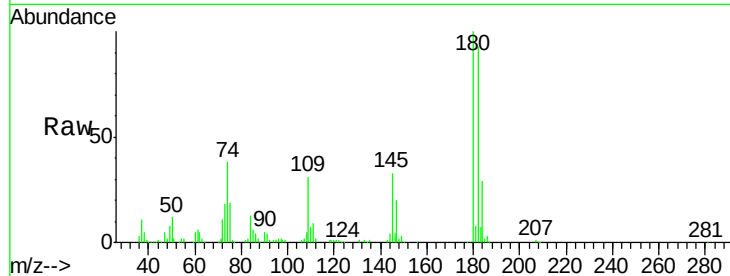
#93
 1,2,4-Trichlorobenzene
 Concen: 47.128 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	169328		
182	93.7	47.3	142.0	
145	32.1	16.6	49.7	

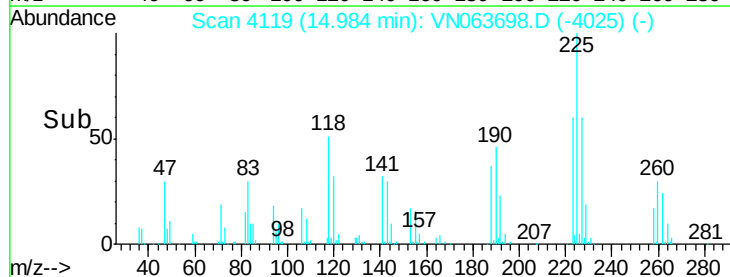
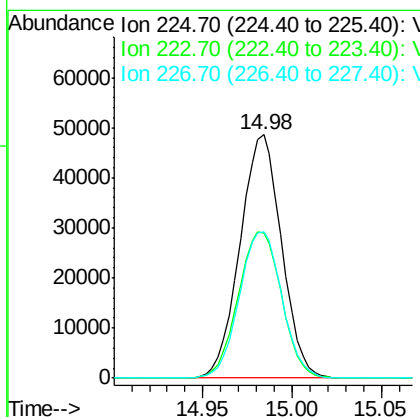
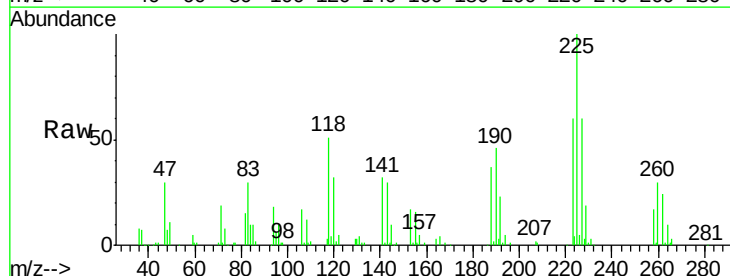
Manual Integrations
 APPROVED

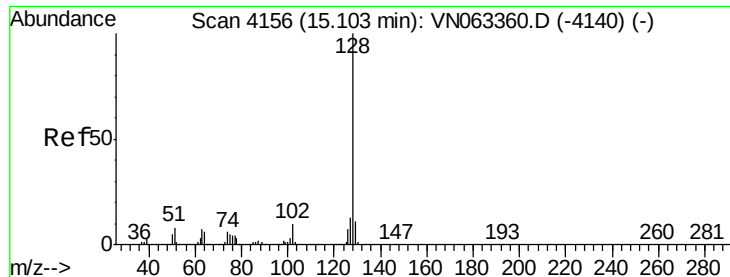
MMDadoda
 9/29/2020 4:37:55 PM



#94
 Hexachlorobutadiene
 Concen: 53.272 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063698.D
 Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79238		
223	62.6	30.6	91.6	
227	61.7	31.2	93.6	





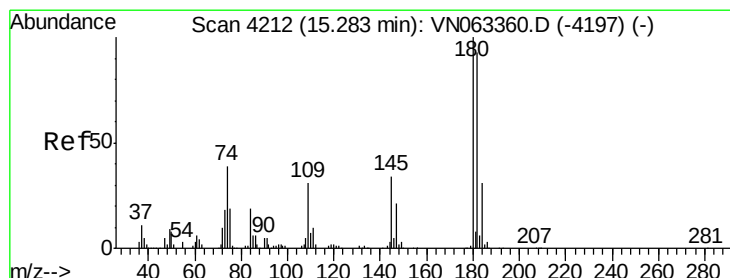
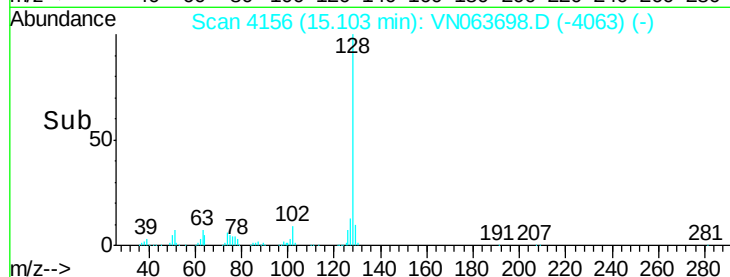
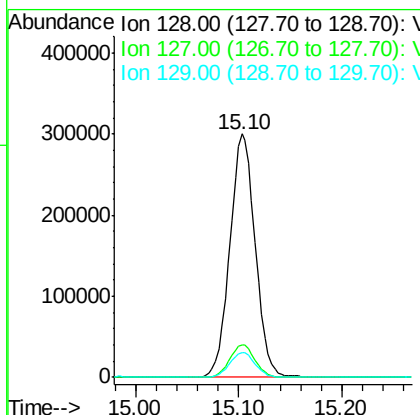
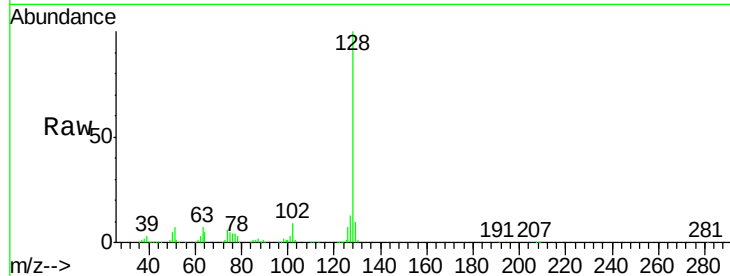
#95
Naphthalene
Concen: 43.334 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.4	10.6	15.8	
129	10.4	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
9/29/2020 4:37:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.634 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063698.D
Acq: 28 Sep 2020 11:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	90.7	46.7	140.1	
145	32.7	16.8	50.3	

