

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063269.D
 Acq On : 5 Sep 2020 5:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:32:27 PM

Quant Time: Sep 07 02:45:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	316839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	588985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	565326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	264949	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	265542	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
35) Dibromofluoromethane	7.55	113	197595	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	10.06	98	767536	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
62) 4-Bromofluorobenzene	12.38	95	273470	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	138117	44.263	ug/l	96
3) Chloromethane	2.03	50	194795	42.872	ug/l	98
4) Vinyl Chloride	2.17	62	224017	44.633	ug/l	98
5) Bromomethane	2.53	94	203919	48.266	ug/l	100
6) Chloroethane	2.67	64	207033	51.880	ug/l	98
7) Trichlorofluoromethane	2.98	101	361687	52.422	ug/l	98
8) Diethyl Ether	3.37	74	114648	47.742	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	162609	47.665	ug/l	99
10) Methyl Iodide	3.91	142	219301	47.133	ug/l	100
11) Tert butyl alcohol	4.72	59	146757	230.834	ug/l #	84
12) 1,1-Dichloroethene	3.70	96	167545	48.198	ug/l	99
13) Acrolein	3.56	56	66188	271.971	ug/l	98
14) Allyl chloride	4.28	41	281181	45.544	ug/l	96
15) Acrylonitrile	4.93	53	436232	245.004	ug/l	99
16) Acetone	3.77	43	375068	254.741	ug/l	98
17) Carbon Disulfide	4.01	76	441659	42.686	ug/l	100
18) Methyl Acetate	4.28	43	211213	55.948	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	630878	48.922	ug/l	99
20) Methylene Chloride	4.50	84	204240	49.326	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	193020	50.259	ug/l	93
22) Diisopropyl ether	5.90	45	689282	49.822	ug/l	95
23) Vinyl Acetate	5.84	43	2792448	252.960	ug/l	100
24) 1,1-Dichloroethane	5.80	63	373998	49.037	ug/l	99
25) 2-Butanone	6.78	43	603274	264.618	ug/l	99
26) 2,2-Dichloropropane	6.78	77	210469	30.458	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	233822	50.089	ug/l	93
28) Bromochloromethane	7.15	49	200017	50.197	ug/l	100
29) Tetrahydrofuran	7.16	42	406863	258.101	ug/l	99
30) Chloroform	7.33	83	395900	49.615	ug/l	99
31) Cyclohexane	7.61	56	299043	44.293	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	353209	51.368	ug/l	99
36) 1,1-Dichloropropene	7.75	75	285820	50.479	ug/l	98
37) Ethyl Acetate	6.88	43	268696	50.253	ug/l #	96
38) Carbon Tetrachloride	7.74	117	285205	49.668	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	277348	43.601	ug/l	99
40) Benzene	8.00	78	860773	51.732	ug/l	99
41) Methacrylonitrile	7.12	41	117032	49.063	ug/l	93
42) 1,2-Dichloroethane	8.08	62	325337	52.343	ug/l	98
43) Isopropyl Acetate	8.13	43	478832	51.854	ug/l #	92
44) Trichloroethene	8.80	130	224825	55.706	ug/l	99
45) 1,2-Dichloropropane	9.08	63	225154	51.108	ug/l	95
46) Dibromomethane	9.17	93	157133	53.822	ug/l	99
47) Bromodichloromethane	9.37	83	324175	51.803	ug/l	99
48) Methyl methacrylate	9.17	41	221322	53.167	ug/l	95
49) 1,4-Dioxane	9.17	88	67129	1042.598	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1425176	284.016	ug/l	99
52) Toluene	10.13	92	567529	54.754	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	330280	48.250	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	349944	48.703	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	215575	54.307	ug/l	98
56) Ethyl methacrylate	10.40	69	319049	52.814	ug/l	98
57) 1,3-Dichloropropane	10.68	76	374951	53.022	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	798709	255.320	ug/l	100
59) 2-Hexanone	10.72	43	1042807	295.703	ug/l	99
60) Dibromochloromethane	10.87	129	236477	53.884	ug/l	98
61) 1,2-Dibromoethane	10.98	107	224448	54.392	ug/l	99
64) Tetrachloroethene	10.60	164	224431	55.284	ug/l	95
65) Chlorobenzene	11.41	112	581218	51.045	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	213484	50.499	ug/l	98
67) Ethyl Benzene	11.49	91	1093370	52.637	ug/l	99
68) m/p-Xylenes	11.60	106	803874	104.490	ug/l	98
69) o-Xylene	11.92	106	385398	51.856	ug/l	98
70) Styrene	11.94	104	678542	53.124	ug/l	99
71) Bromoform	12.10	173	148896	51.899	ug/l #	99
73) Isopropylbenzene	12.23	105	1033722	50.869	ug/l	99
74) N-amyl acetate	12.05	43	438527	52.098	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	294852	50.327	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	250899m	48.197	ug/l	
77) Bromobenzene	12.50	156	262019	57.012	ug/l	84
78) n-propylbenzene	12.57	91	1209190	51.422	ug/l	99
79) 2-Chlorotoluene	12.65	91	715901	50.830	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	853317	50.448	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	84569	39.265	ug/l	92
82) 4-Chlorotoluene	12.75	91	745470	51.035	ug/l	100
83) tert-Butylbenzene	12.97	119	697237	48.064	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	870339	51.048	ug/l	98
85) sec-Butylbenzene	13.15	105	925565	48.956	ug/l	99
86) p-Isopropyltoluene	13.26	119	826052	49.213	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	440292	52.150	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	440958	50.440	ug/l	99
89) n-Butylbenzene	13.59	91	721901	46.554	ug/l	99
90) Hexachloroethane	13.85	117	138317	44.515	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	438151	53.478	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	64239	49.873	ug/l	96

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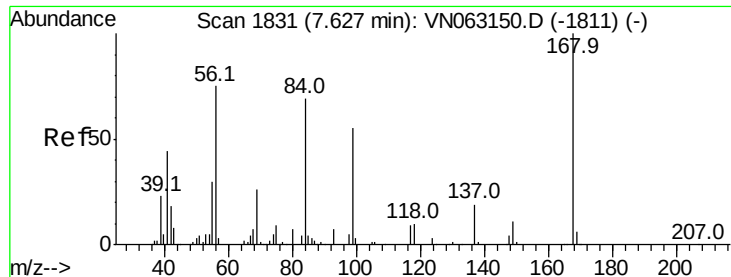
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	215379	47.053	ug/l	98
94) Hexachlorobutadiene	14.98	225	73341	42.891	ug/l	98
95) Naphthalene	15.10	128	794892	52.051	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	208914	46.847	ug/l	98

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



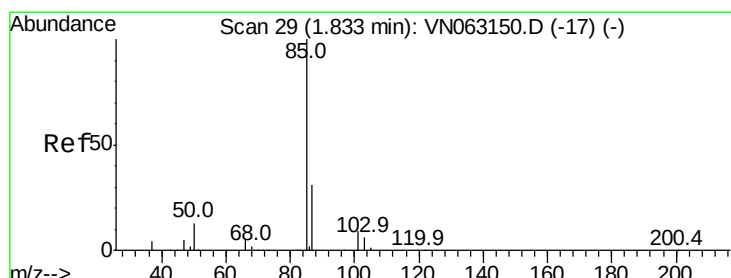
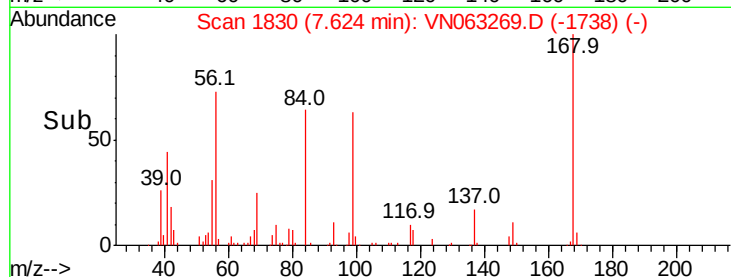
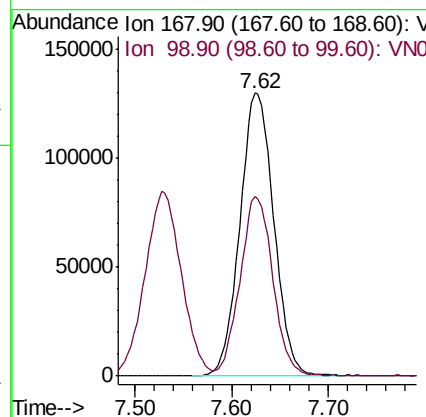
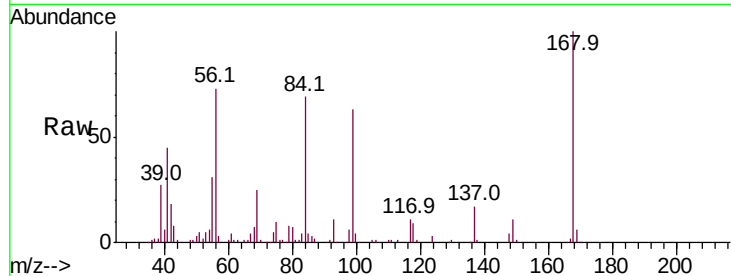
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 316839
Ion Ratio Lower Upper
168 100
99 63.1 54.2 81.2

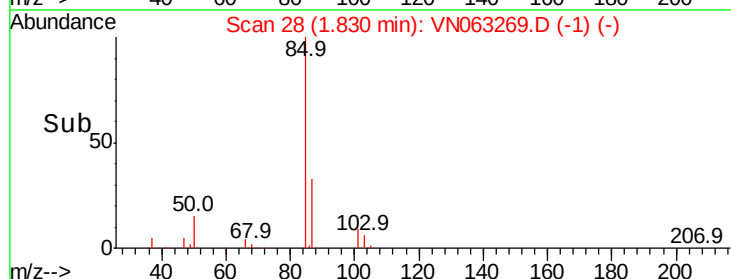
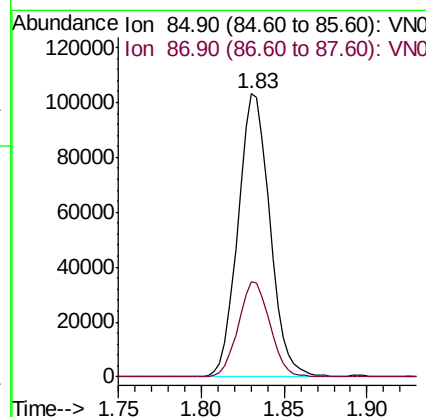
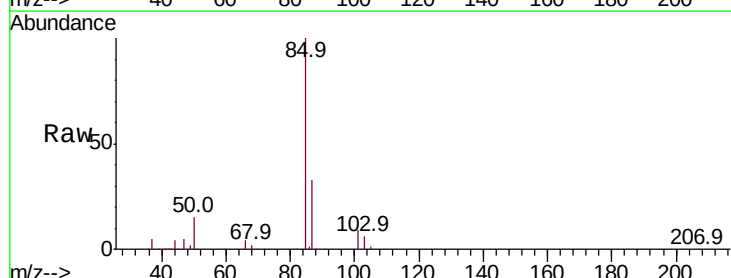
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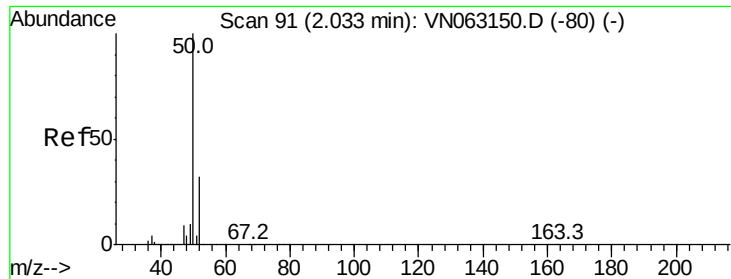
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#2
Dichlorodifluoromethane
Concen: 44.263 ug/l
RT: 1.83 min Scan# 28
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion: 85 Resp: 138117
Ion Ratio Lower Upper
85 100
87 33.5 15.6 46.8





#3

Chloromethane

Concen: 42.872 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 194795

Ion Ratio Lower Upper

50 100

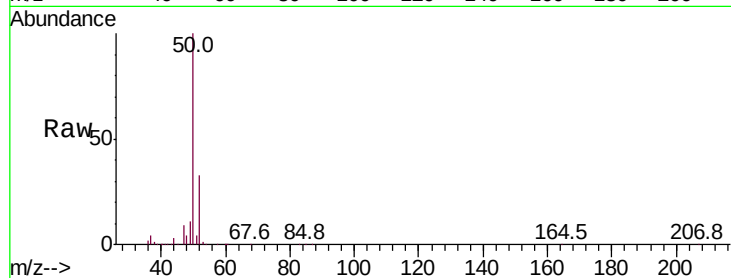
52 33.1 25.8 38.6

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

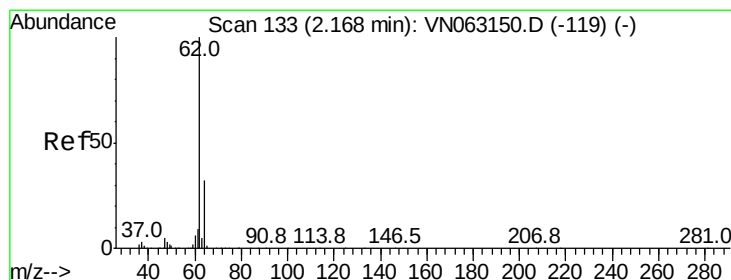
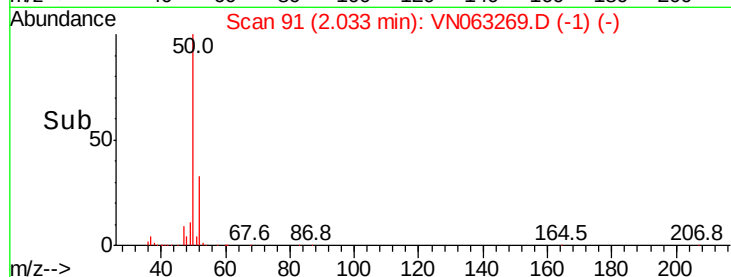
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 44.633 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063269.D

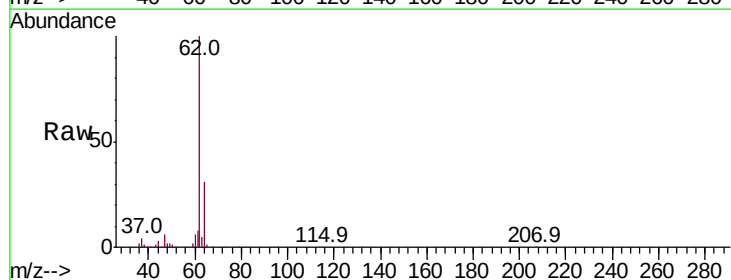
Acq: 5 Sep 2020 5:11

Tgt Ion: 62 Resp: 224017

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

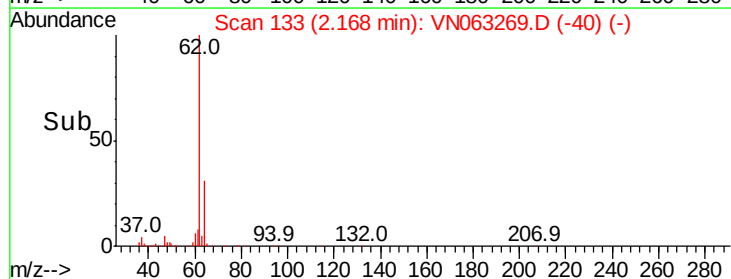
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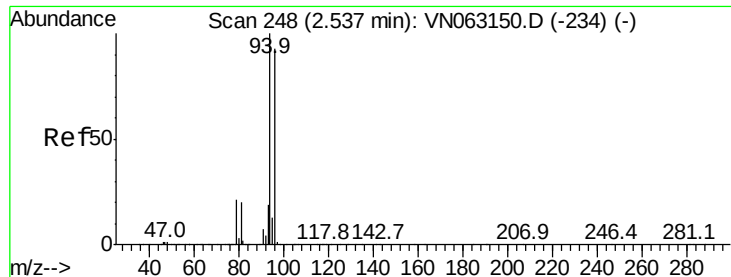
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 48.266 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.01 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 203919

Ion Ratio Lower Upper

94 100

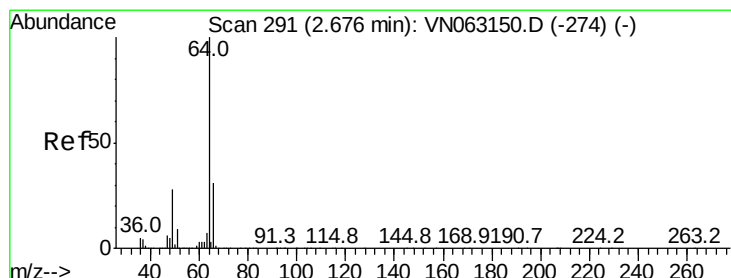
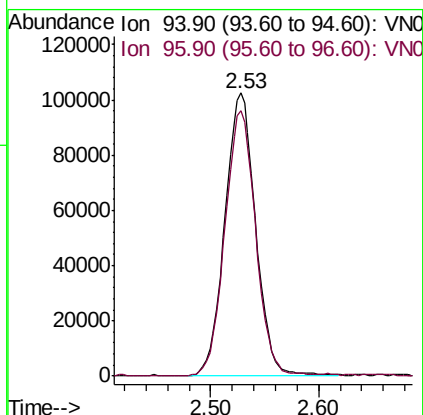
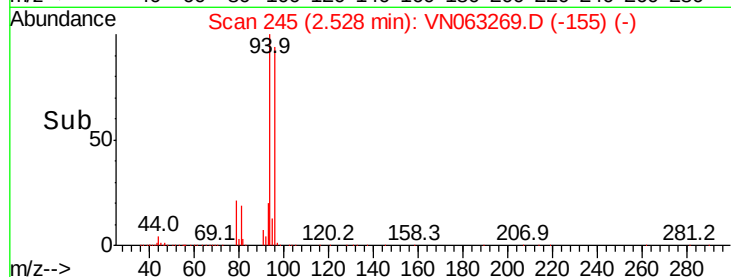
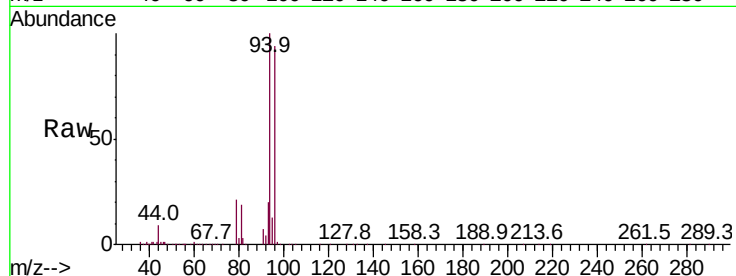
96 93.3 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 51.880 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063269.D

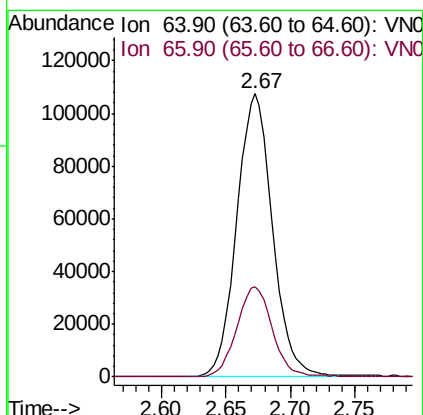
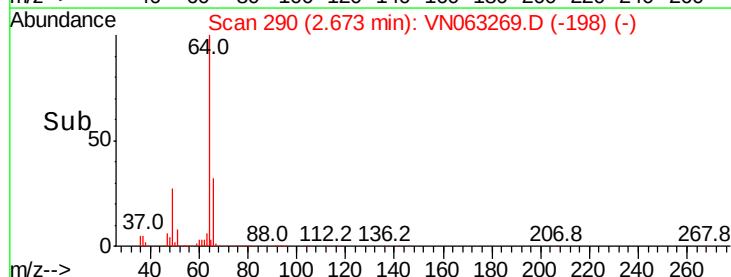
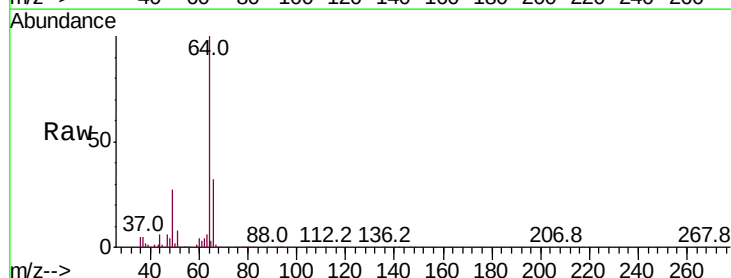
Acq: 5 Sep 2020 5:11

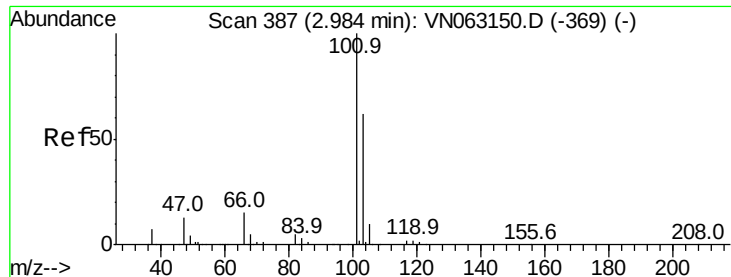
Tgt Ion: 64 Resp: 207033

Ion Ratio Lower Upper

64 100

66 31.9 24.7 37.1





#7

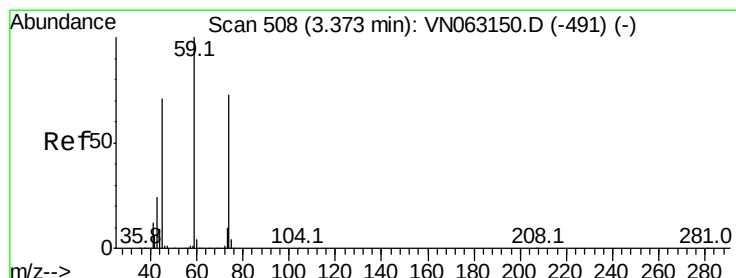
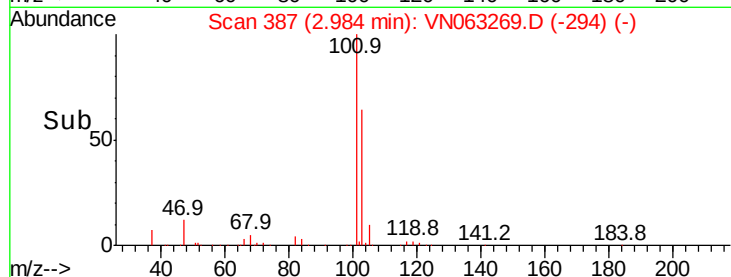
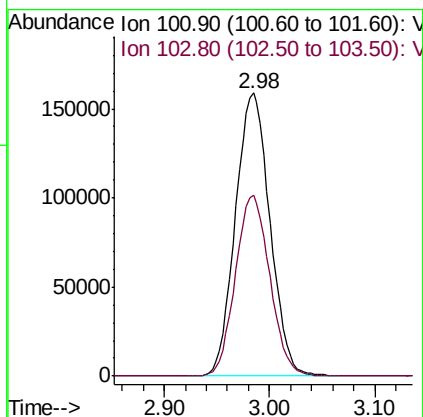
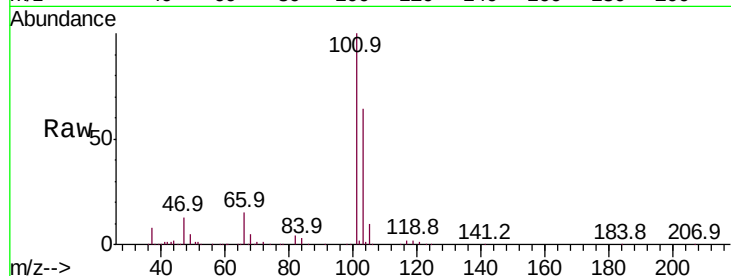
Trichlorofluoromethane
Concen: 52.422 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	361687		
103	63.6	49.7	74.5	

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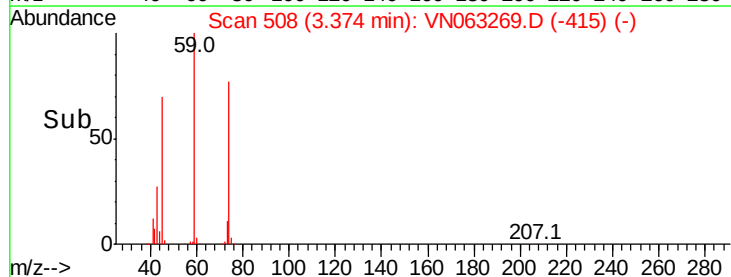
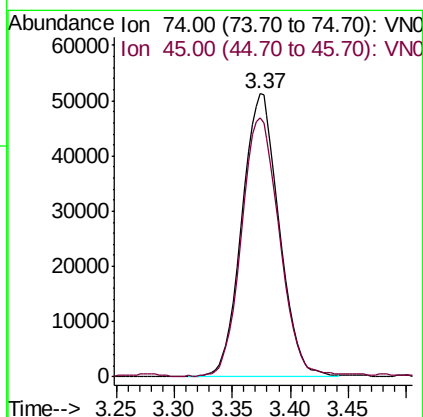
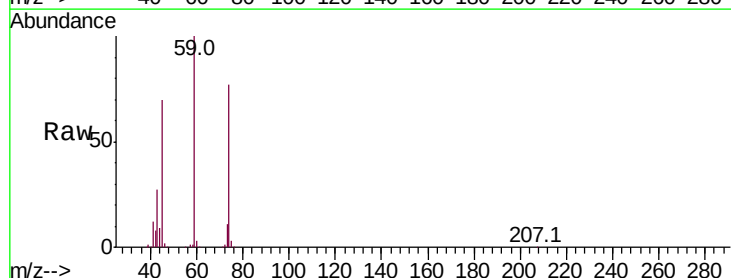
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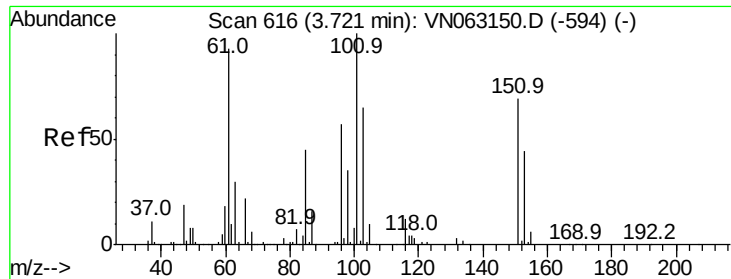


#8

Diethyl Ether
Concen: 47.742 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	114648		
45	92.1	49.5	148.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.665 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

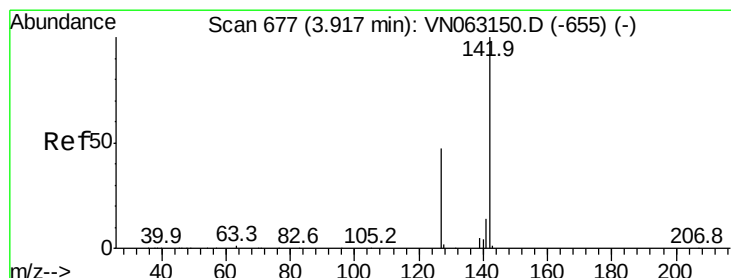
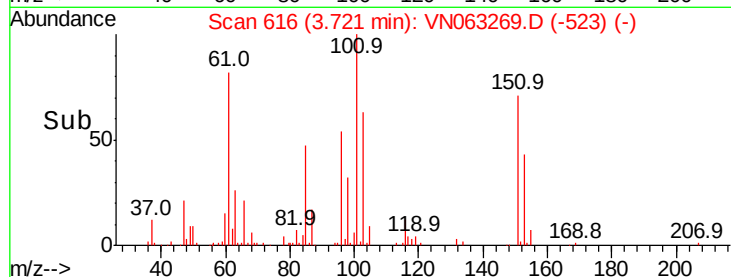
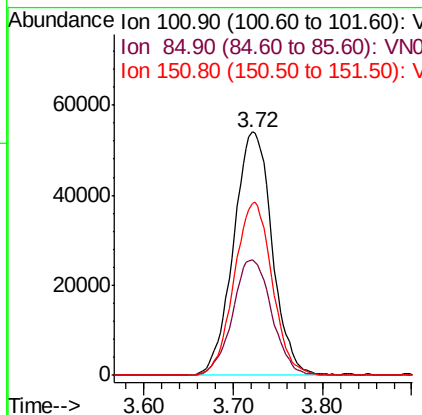
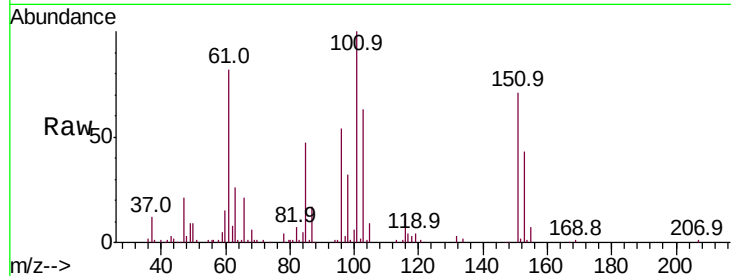
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	162609
Ion Ratio	Lower	Upper	
101	100		
85	48.0	37.8	56.8
151	70.0	55.0	82.4

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#10

Methyl Iodide

Concen: 47.133 ug/l

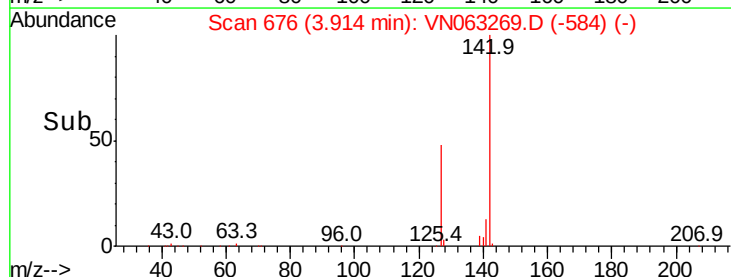
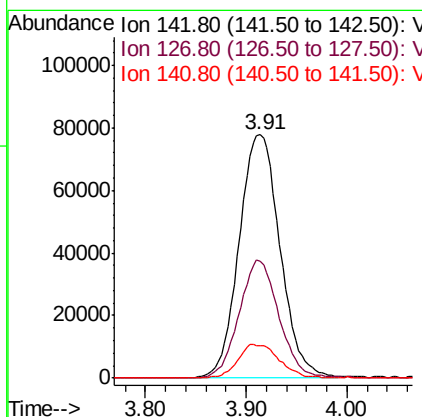
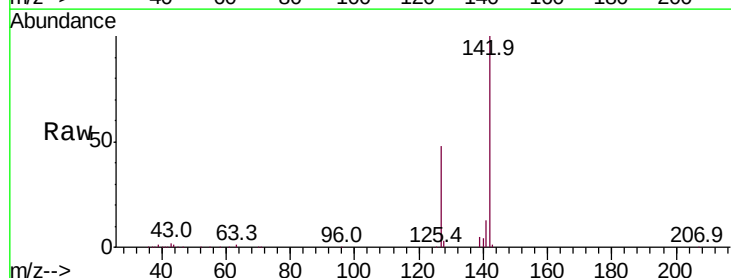
RT: 3.91 min Scan# 676

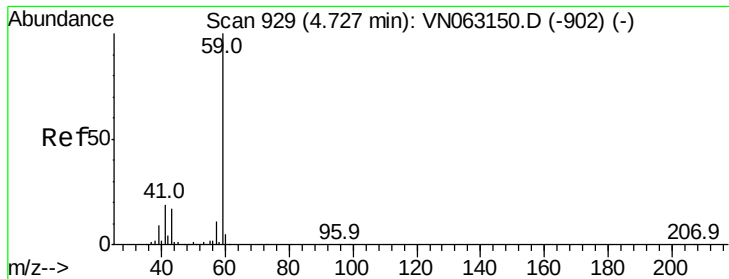
Delta R.T. -0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tgt Ion:	142	Resp:	219301
Ion Ratio	Lower	Upper	
142	100		
127	47.2	37.6	56.4
141	14.0	11.3	16.9





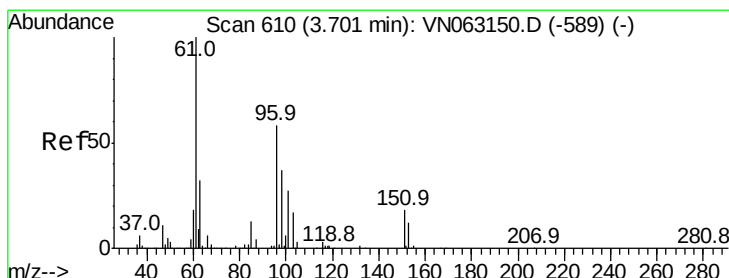
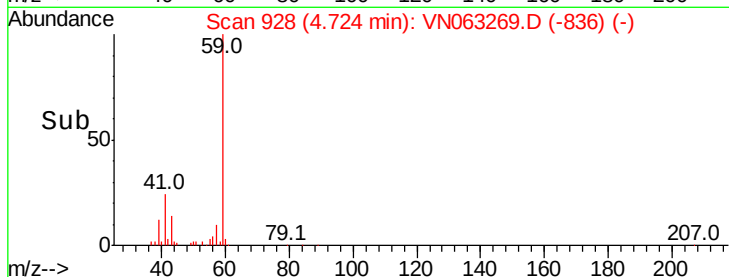
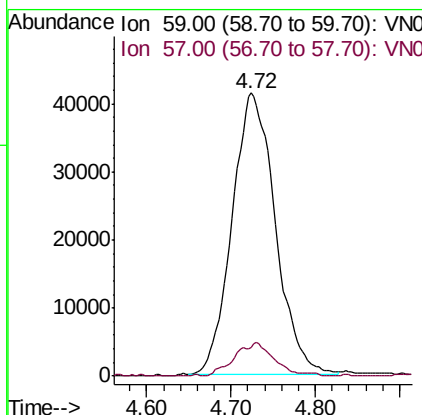
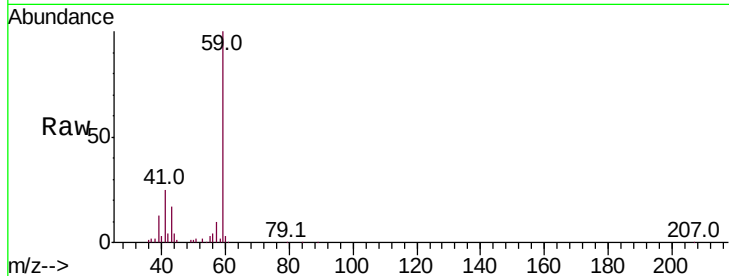
#11
Tert butyl alcohol
Concen: 230.834 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 146757
Ion Ratio Lower Upper
59 100
57 4.4 8.4 12.6#

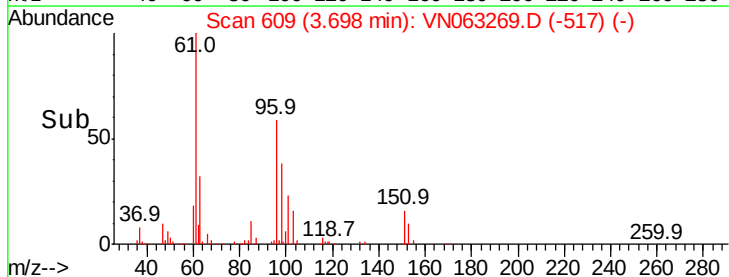
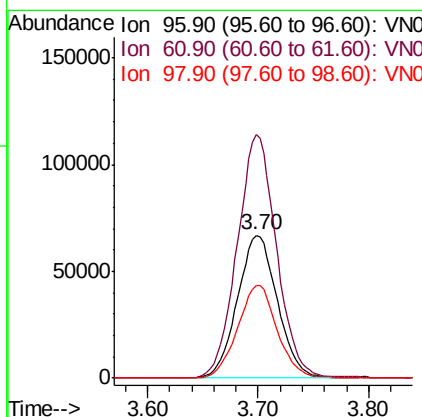
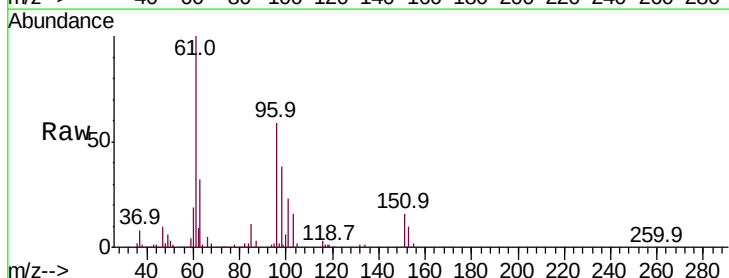
Manual Integrations
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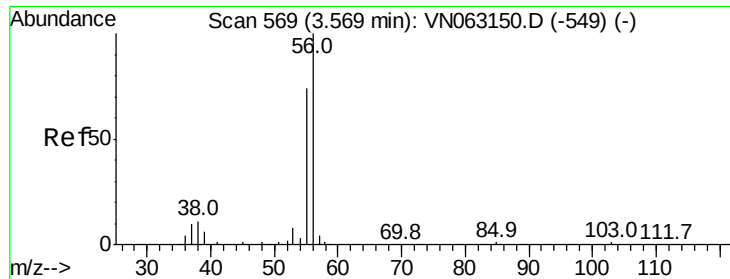
MMDadoda
9/8/2020 1:32:27 PM



#12
1,1-Dichloroethene
Concen: 48.198 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion: 96 Resp: 167545
Ion Ratio Lower Upper
96 100
61 170.4 137.4 206.2
98 65.0 50.5 75.7





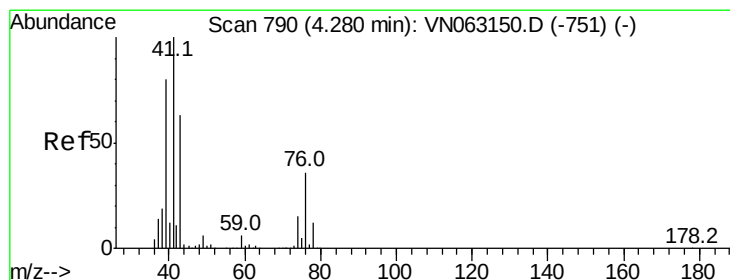
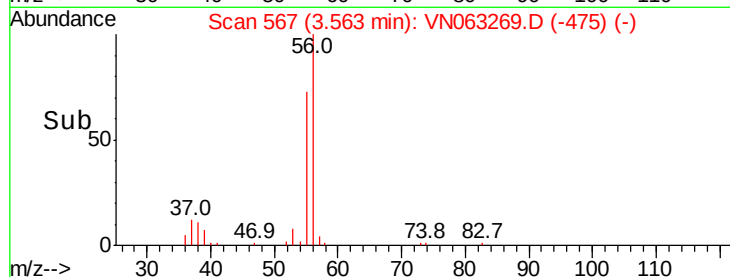
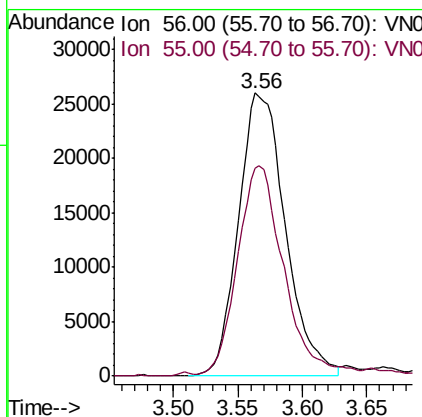
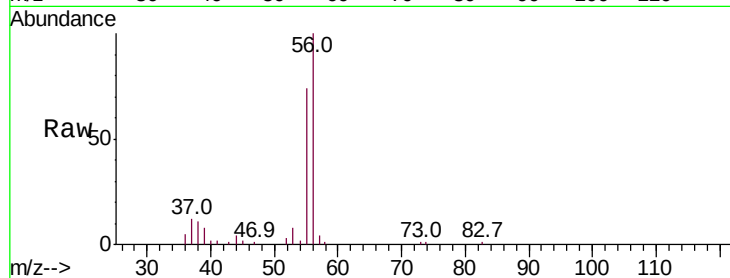
#13
Acrolein
Concen: 271.971 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.01 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	66188
Ion Ratio	Lower	Upper	
56	100		
55	71.1	55.4	83.0

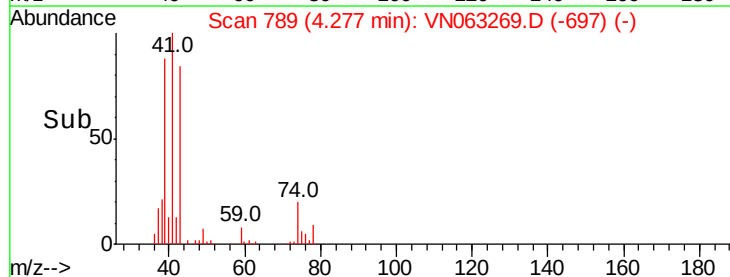
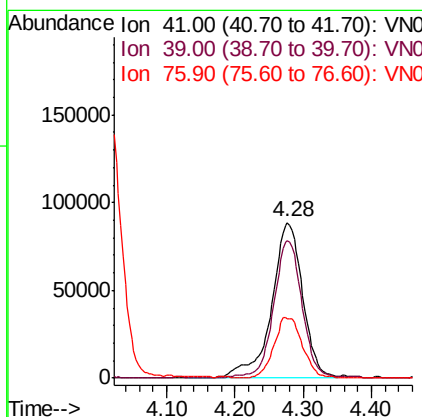
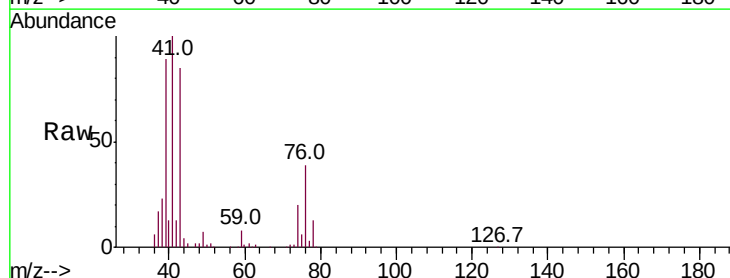
Manual Integrations
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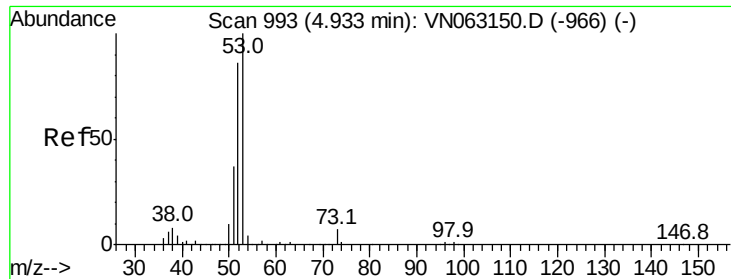
MMDadoda
9/8/2020 1:32:27 PM



#14
Allyl chloride
Concen: 45.544 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	41	Resp	281181
Ion Ratio	Lower	Upper	
41	100		
39	79.5	60.2	90.2
76	34.7	27.7	41.5





#15

Acrylonitrile

Concen: 245.004 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

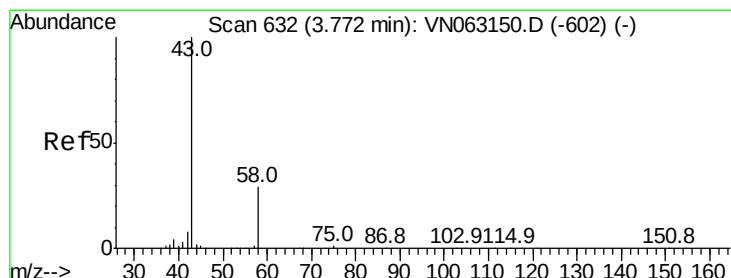
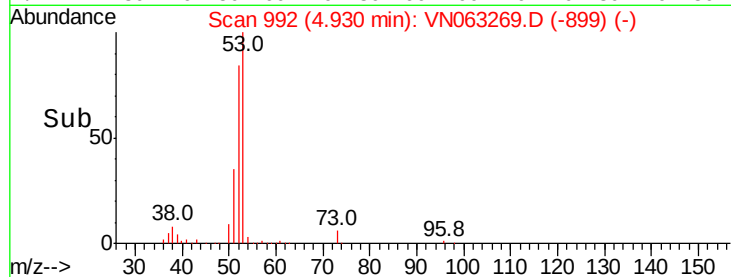
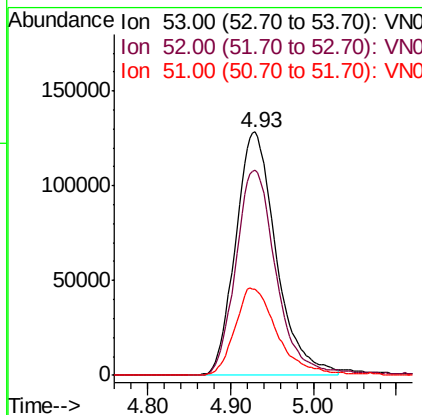
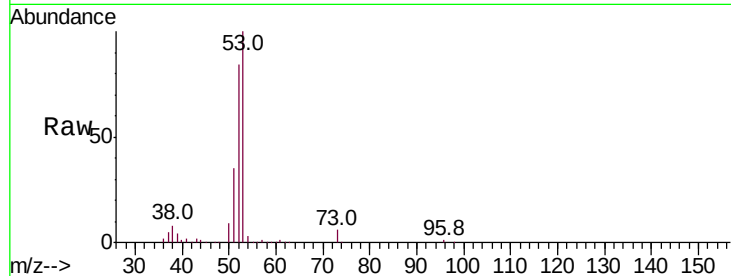
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	436232
Ion Ratio	Lower	Upper	
53	100		
52	84.2	67.2	100.8
51	37.1	30.2	45.4

Manual Integrations
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9/8/2020 1:32:27 PM



#16

Acetone

Concen: 254.741 ug/l

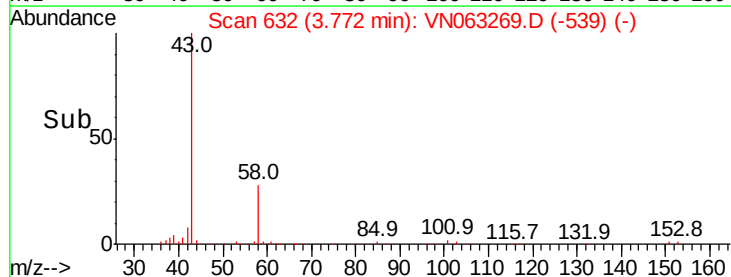
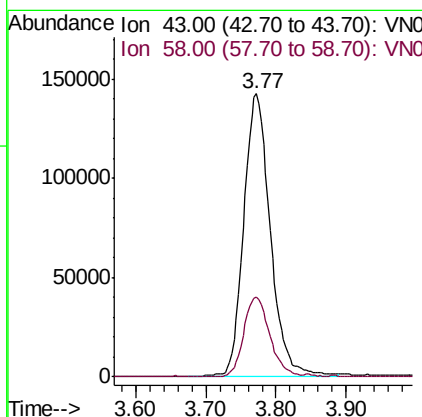
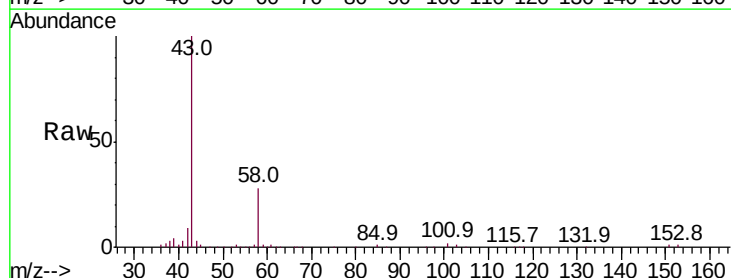
RT: 3.77 min Scan# 632

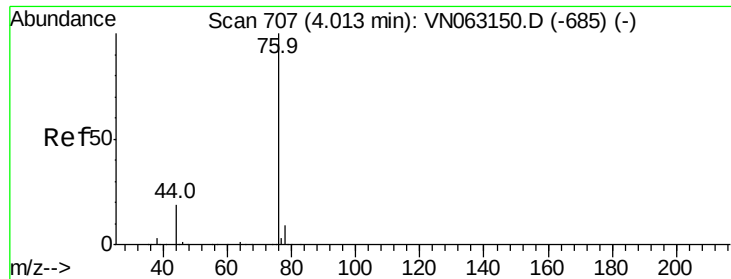
Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tgt Ion:	43	Resp:	375068
Ion Ratio	Lower	Upper	
43	100		
58	28.0	23.1	34.7





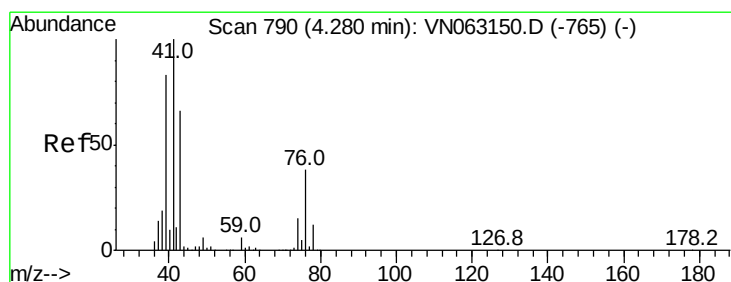
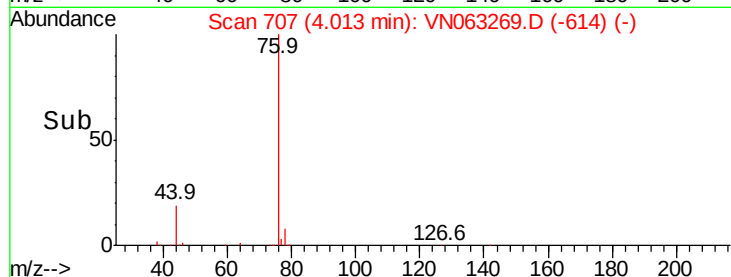
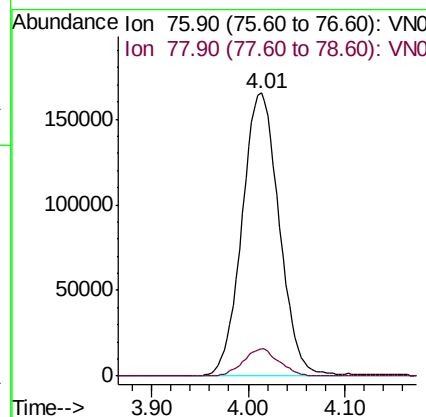
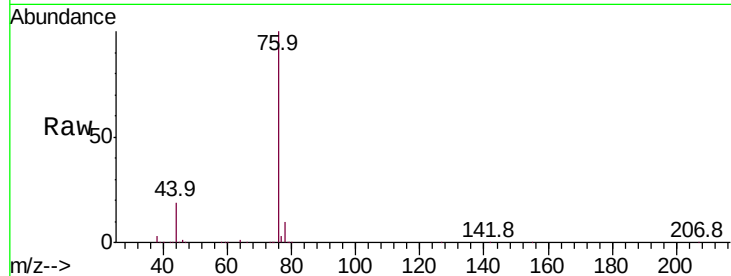
#17
Carbon Disulfide
Concen: 42.686 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.5	11.3

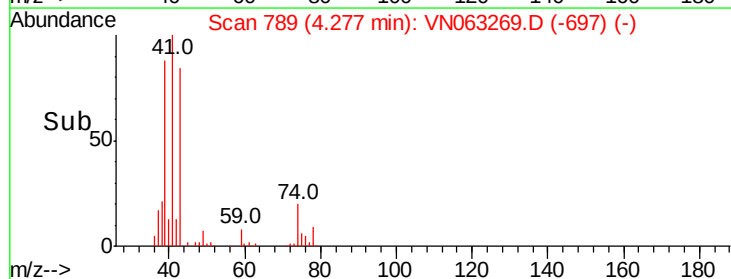
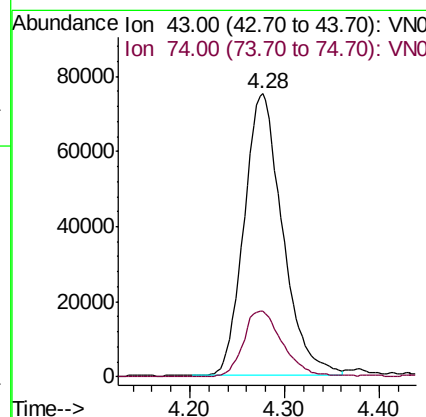
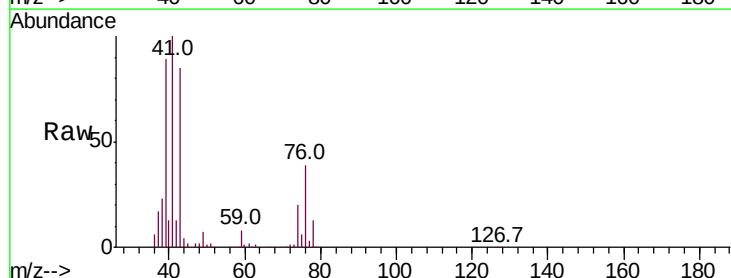
Manual Integrations
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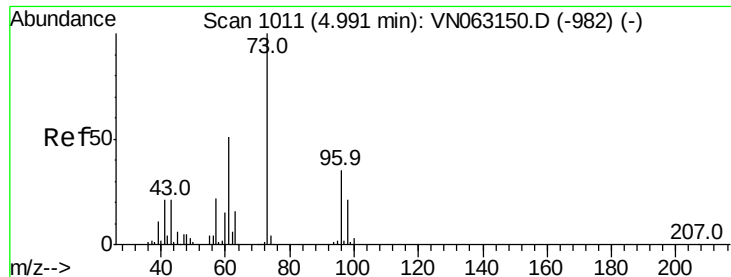
MMDadoda
9/8/2020 1:32:27 PM



#18
Methyl Acetate
Concen: 55.948 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.0	28.6





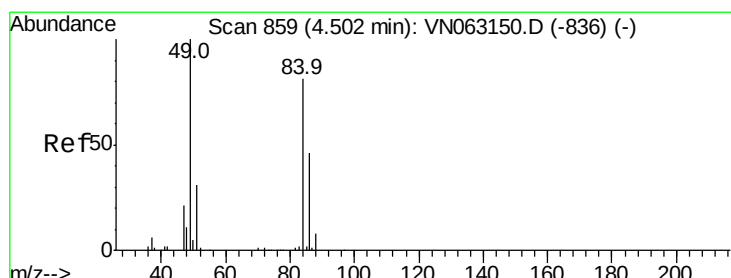
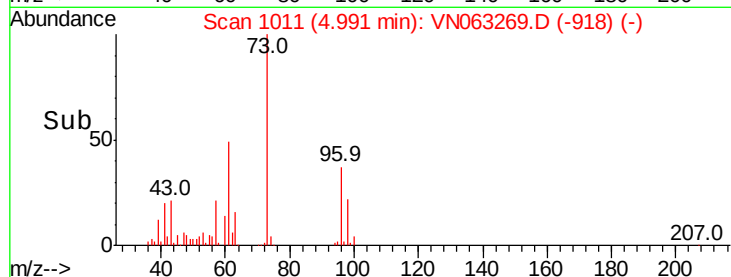
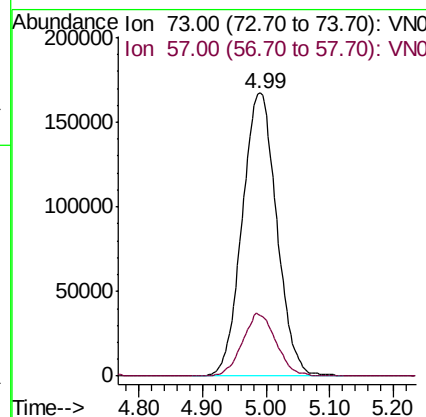
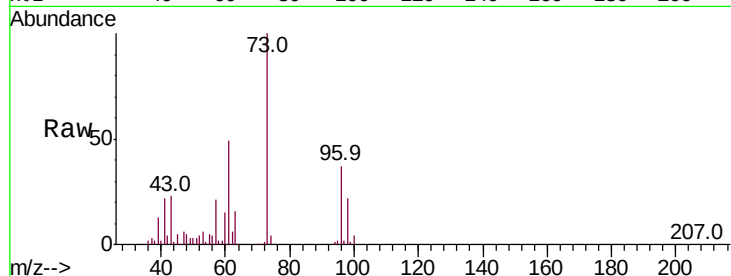
#19
Methvl tert-butyl Ether
Concen: 48.922 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 630878
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

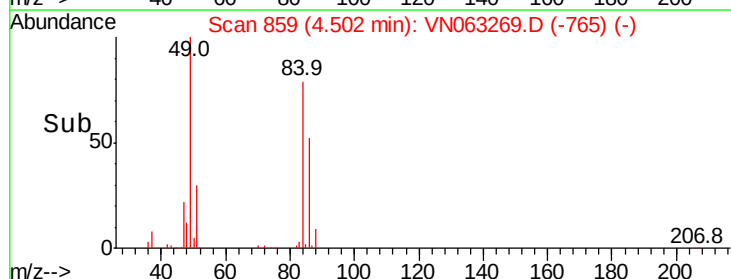
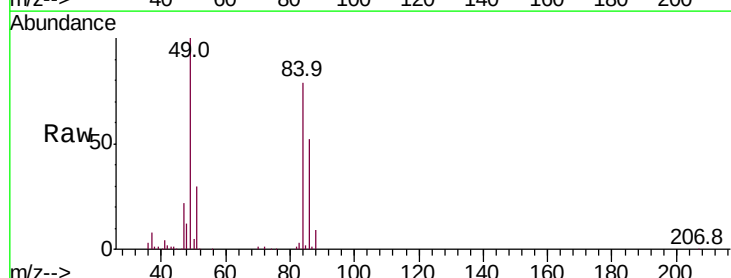
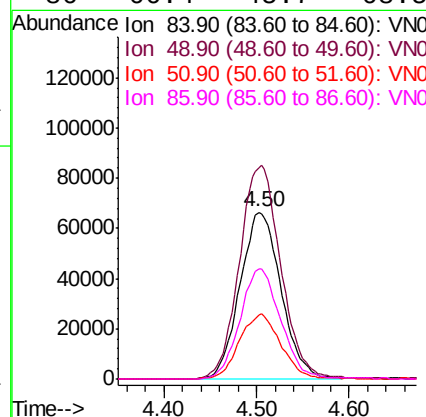
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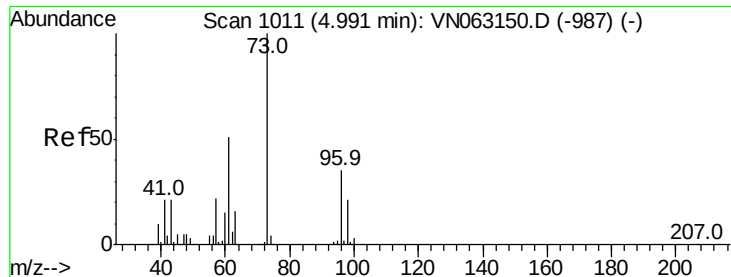
MMDadoda
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#20
Methylene Chloride
Concen: 49.326 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion: 84 Resp: 204240
Ion Ratio Lower Upper
84 100
49 126.6 98.4 147.6
51 38.5 30.4 45.6
86 66.4 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 50.259 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 193020

Ion Ratio Lower Upper

96 100

61 133.1 116.2 174.4

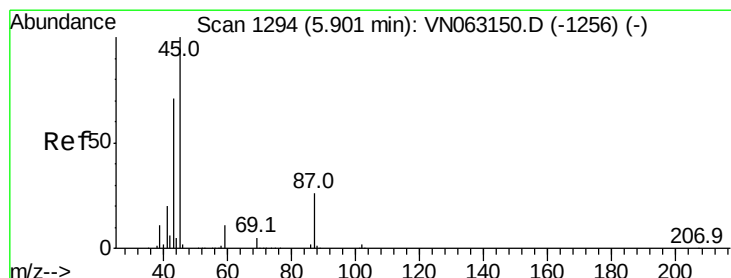
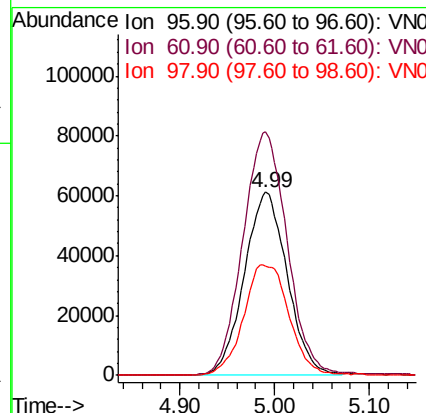
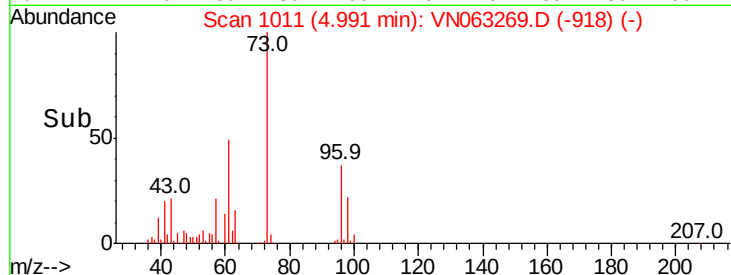
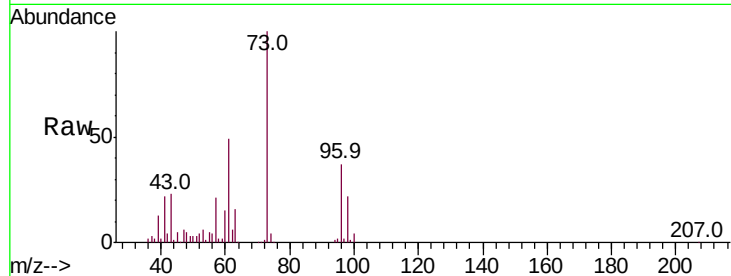
98 59.8 48.0 72.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 49.822 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tgt Ion: 45 Resp: 689282

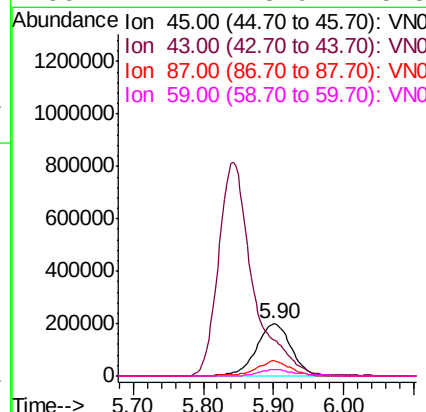
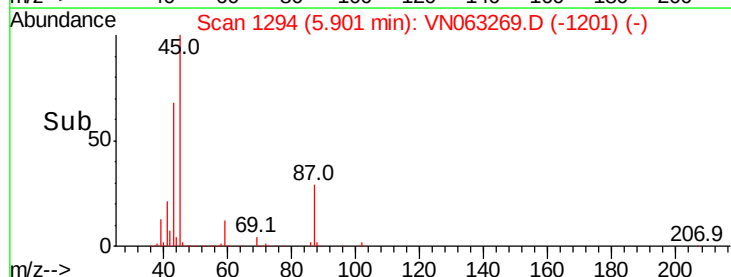
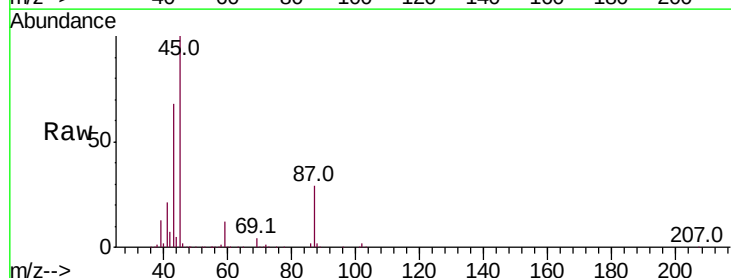
Ion Ratio Lower Upper

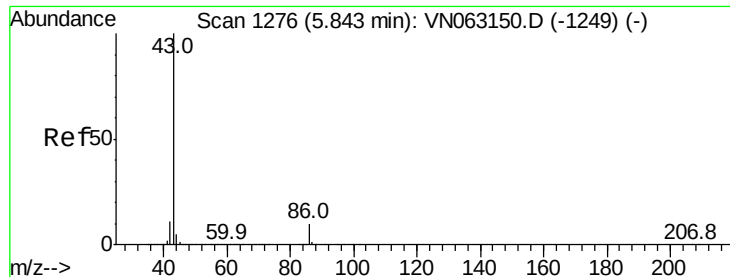
45 100

43 66.2 56.8 85.2

87 28.4 21.1 31.7

59 11.7 8.9 13.3





#23

Vinyl Acetate

Concen: 252.960 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2792448

Ion Ratio Lower Upper

43 100

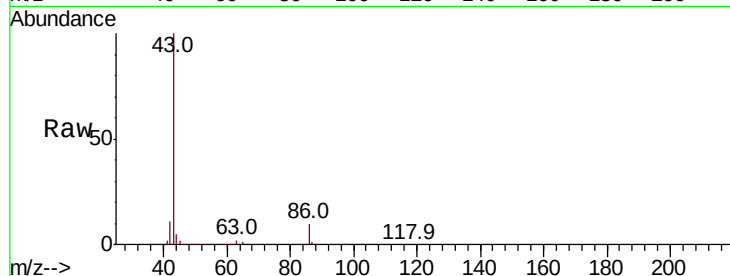
86 10.2 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

800000

600000

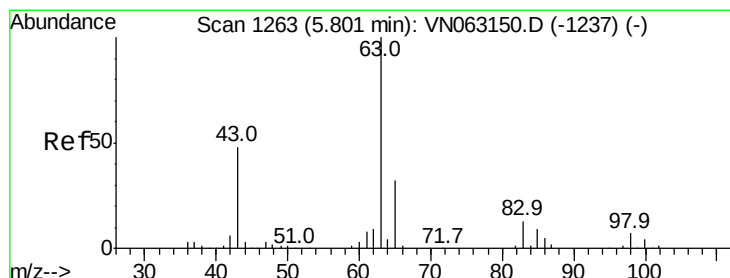
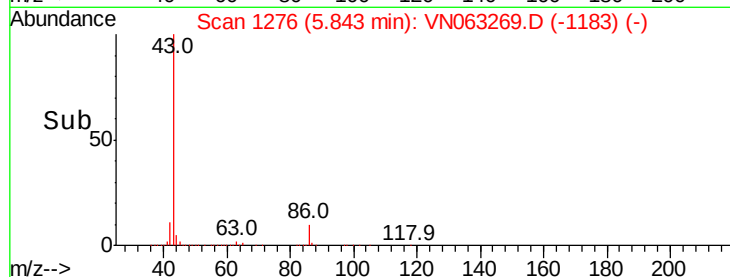
400000

200000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.037 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

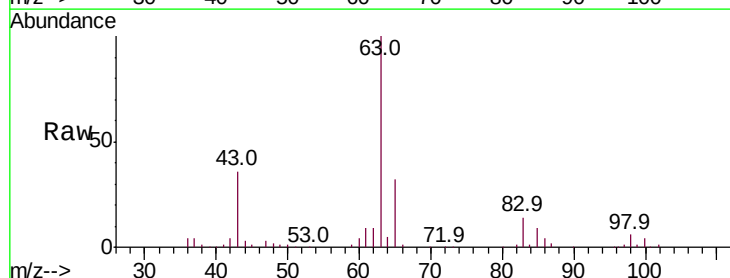
Tgt Ion: 63 Resp: 373998

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

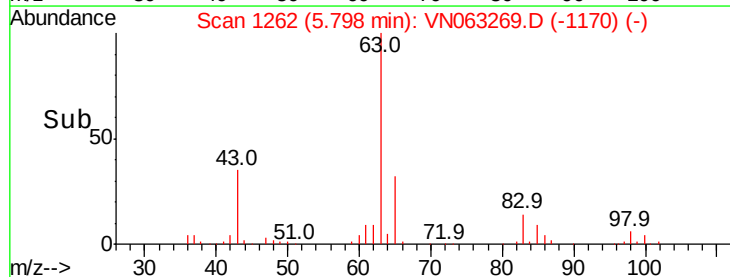
100000

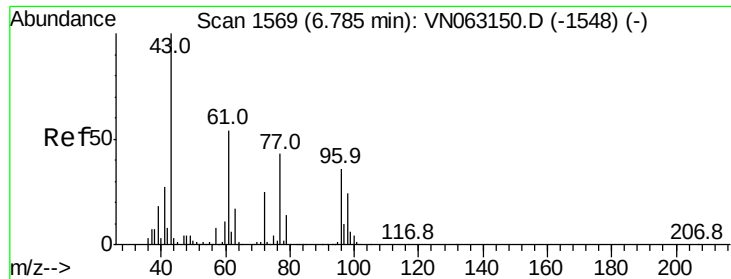
50000

0

5.70 5.80 5.90

Time-->





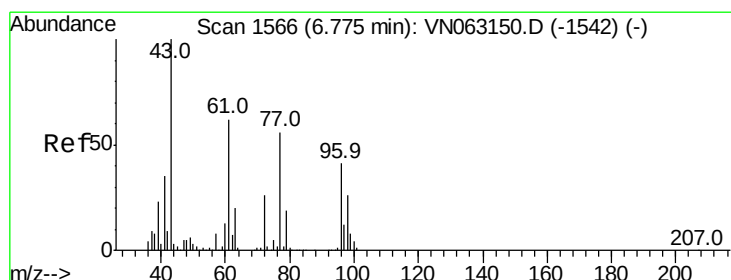
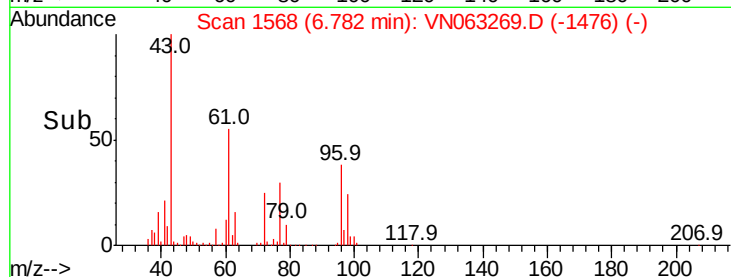
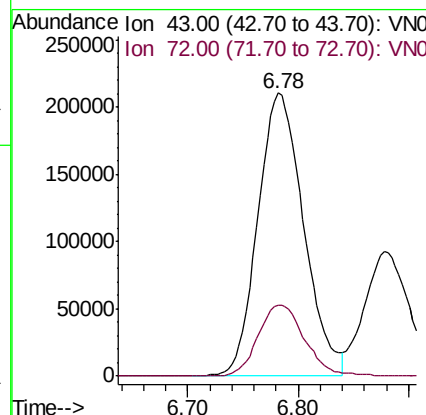
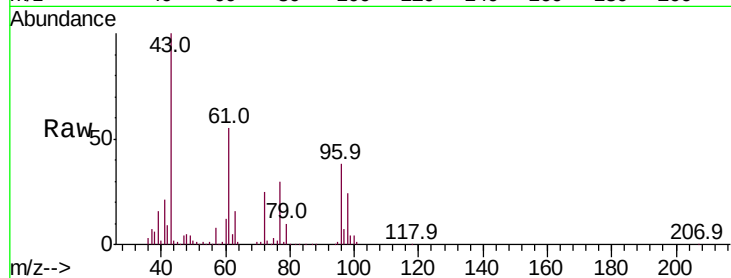
#25
 2-Butanone
 Concen: 264.618 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 603274
 Ion Ratio Lower Upper
 43 100
 72 24.9 20.2 30.4

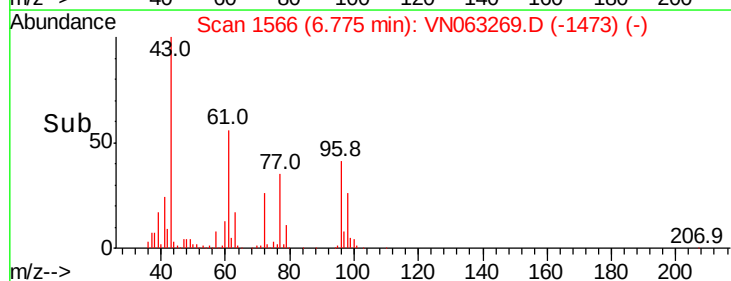
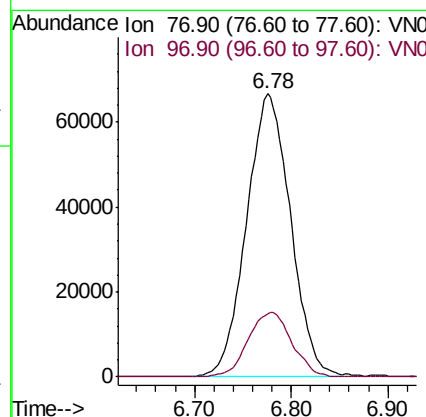
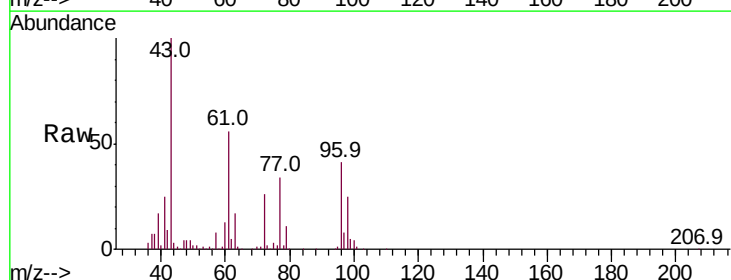
Manual Integrations
 APPROVED

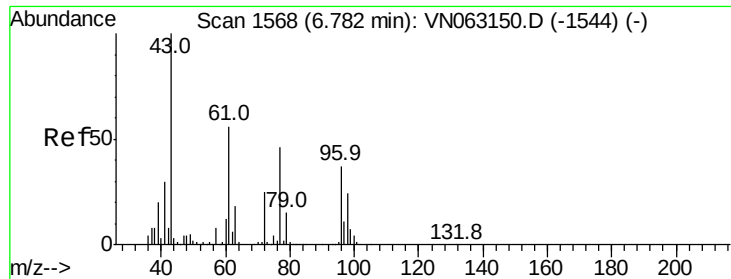
MMDadoda
 9/8/2020 1:32:27 PM



#26
 2,2-Dichloropropane
 Concen: 30.458 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Tgt Ion: 77 Resp: 210469
 Ion Ratio Lower Upper
 77 100
 97 22.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.089 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063269.D

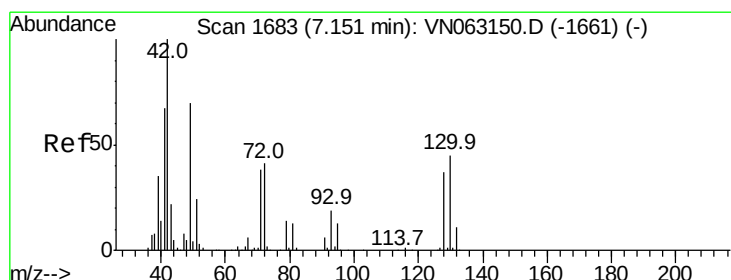
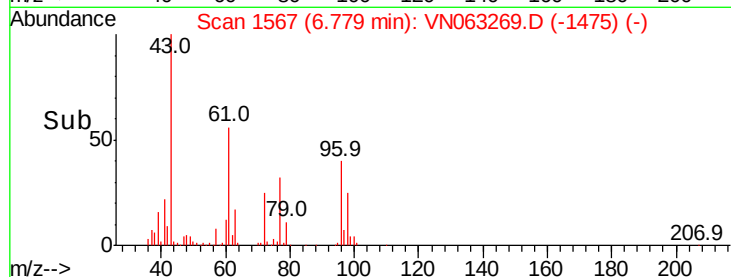
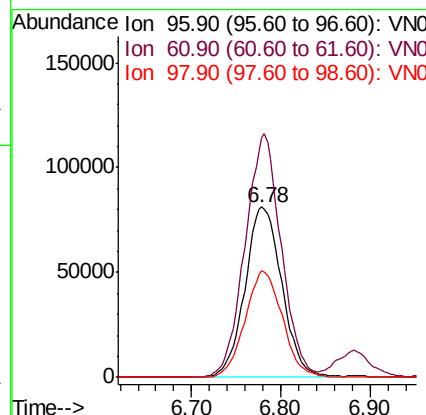
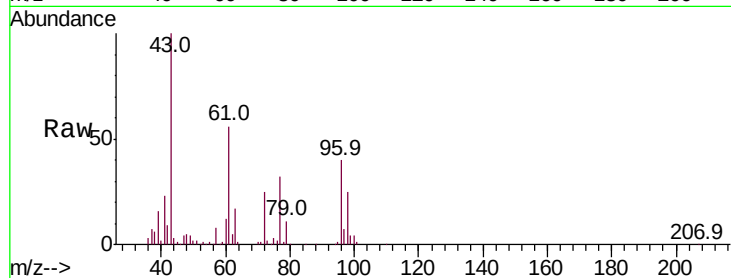
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
96	100		
61	139.9	0.0	303.2
98	63.1	0.0	129.0

Manual Integrations
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#28

Bromochloromethane

Concen: 50.197 ug/l

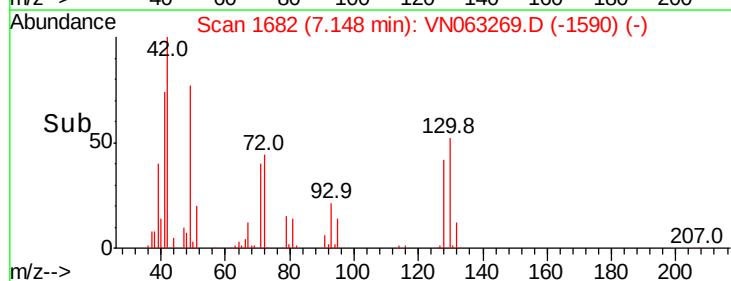
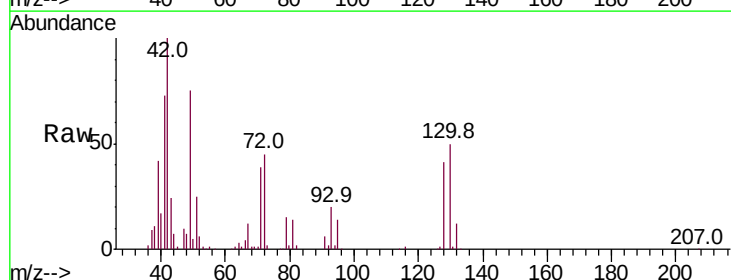
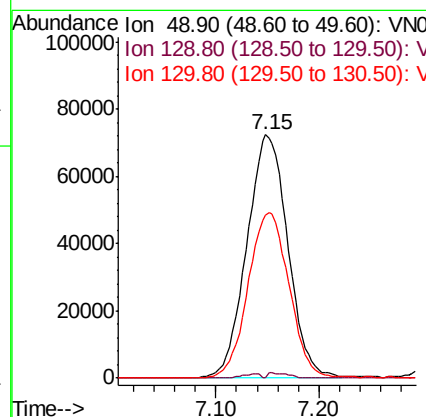
RT: 7.15 min Scan# 1682

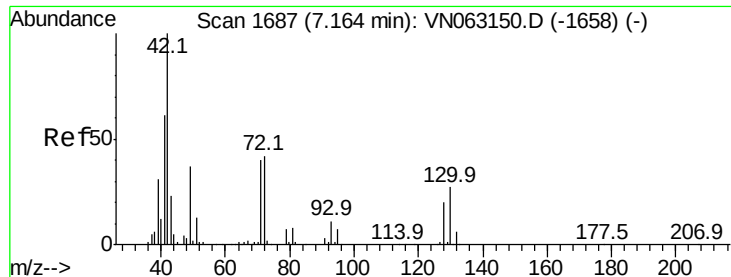
Delta R.T. -0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp Lower	Upper
49	100		
129	1.0	0.0	4.0
130	68.1	54.4	81.6





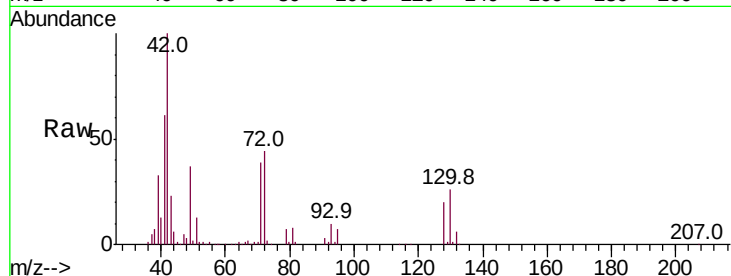
#29
Tetrahydrofuran
Concen: 258.101 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

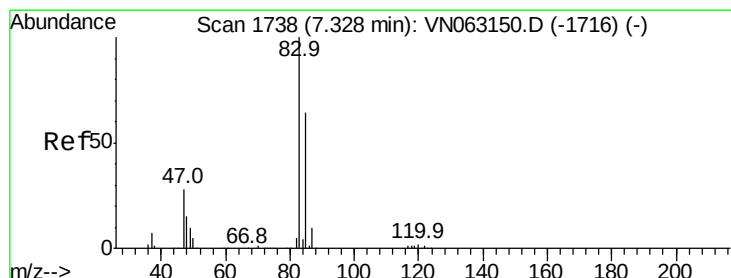
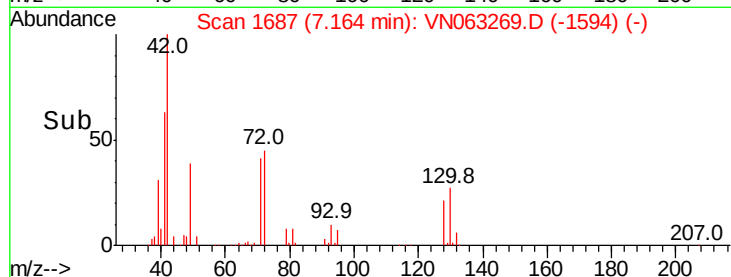
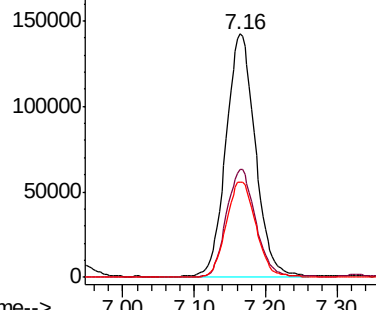
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	33.9	50.9
71	39.6	31.9	47.9

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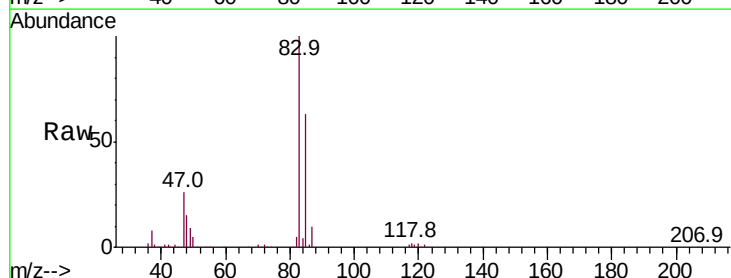


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

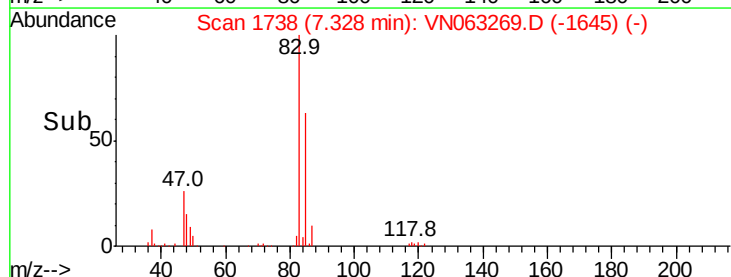
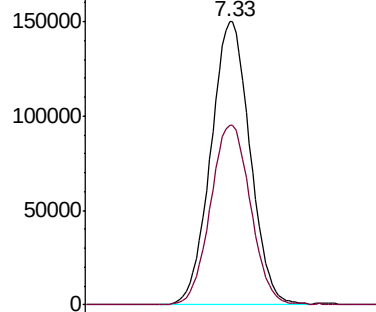


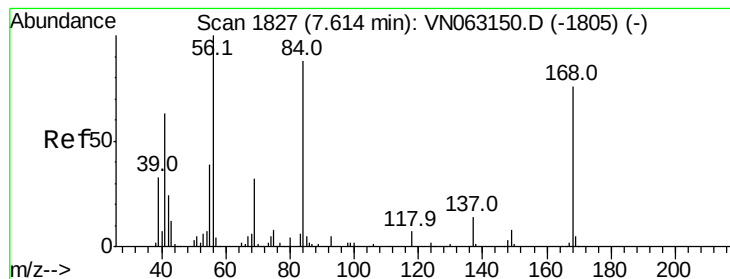
#30
Chloroform
Concen: 49.615 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 44.293 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

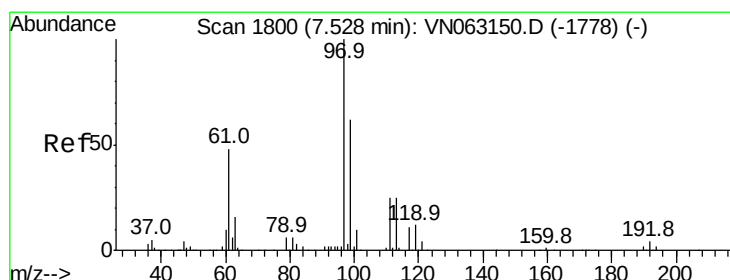
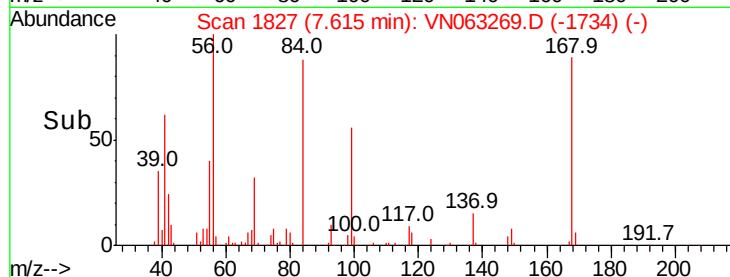
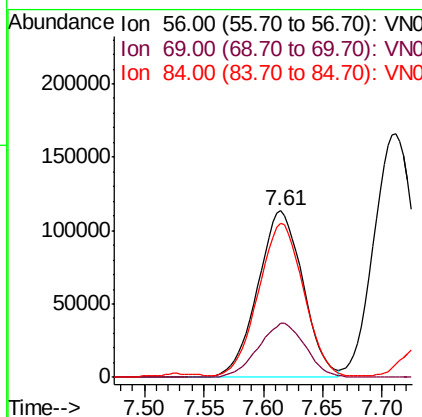
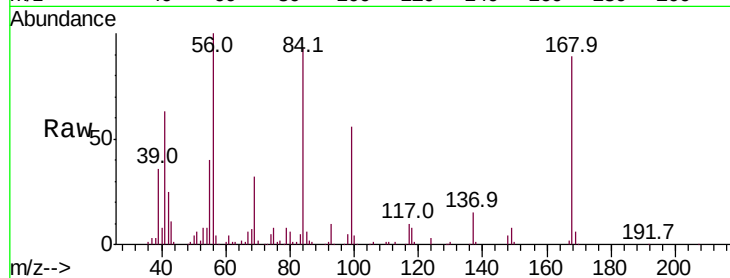
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	299043
Ion Ratio	Lower	Upper	
56	100		
69	32.1	25.4	38.0
84	90.9	70.2	105.4

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#32

1,1,1-Trichloroethane

Concen: 51.368 ug/l

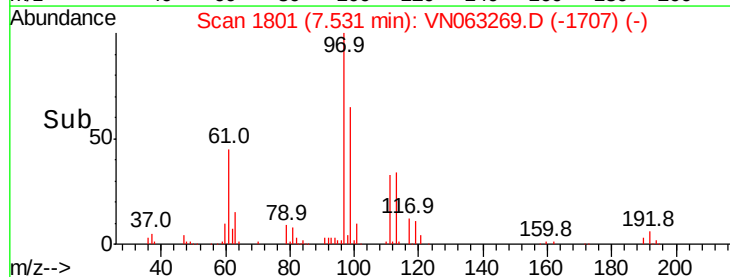
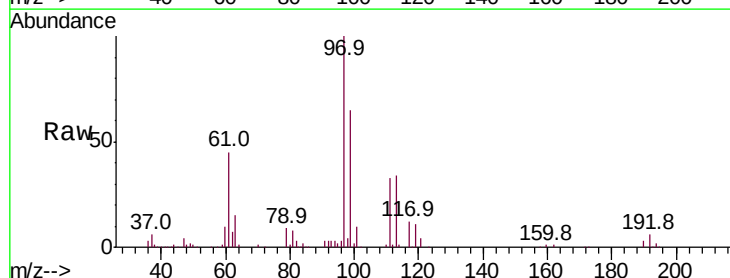
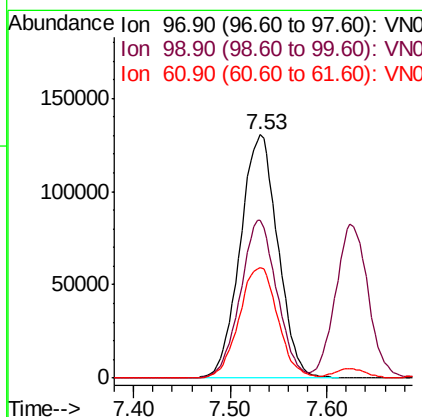
RT: 7.53 min Scan# 1801

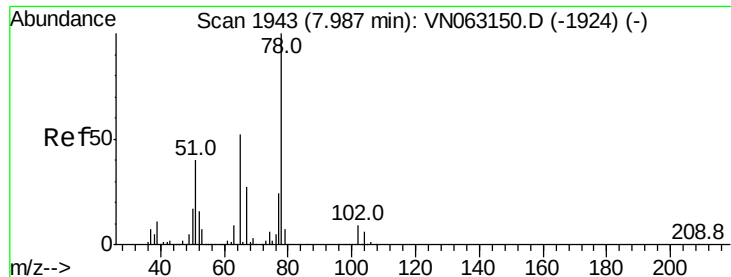
Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tgt Ion:	97	Resp:	353209
Ion Ratio	Lower	Upper	
97	100		
99	62.9	50.8	76.2
61	46.6	37.4	56.2





#33

1,2-Dichloroethane-d4

Concen: 51.269 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063269.D

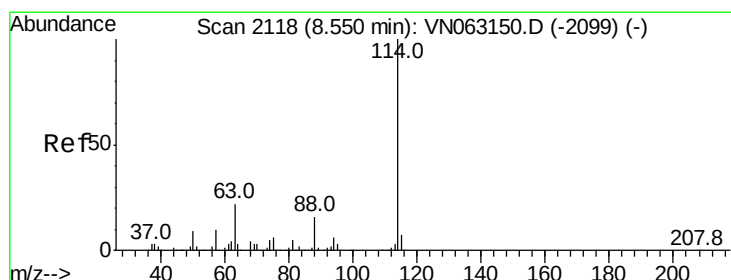
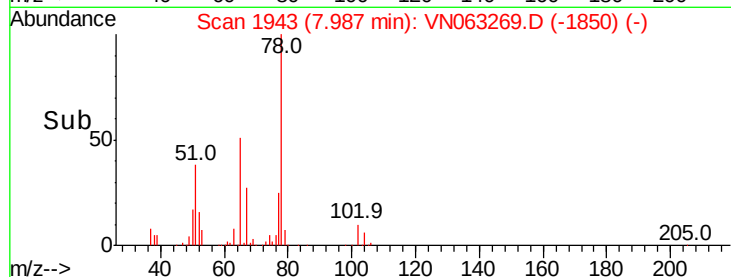
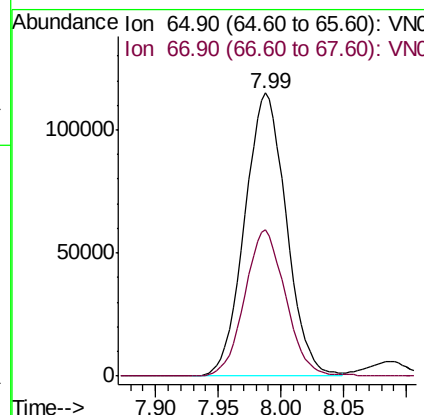
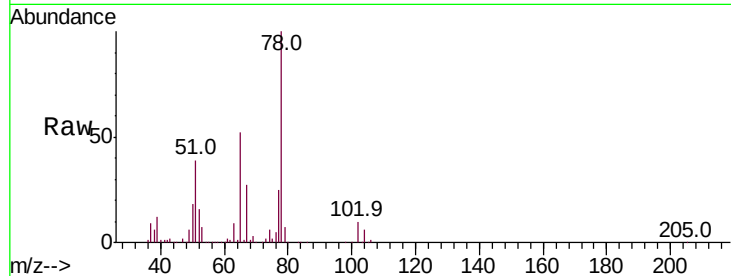
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	265542		
67	50.8	0.0	104.4	

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

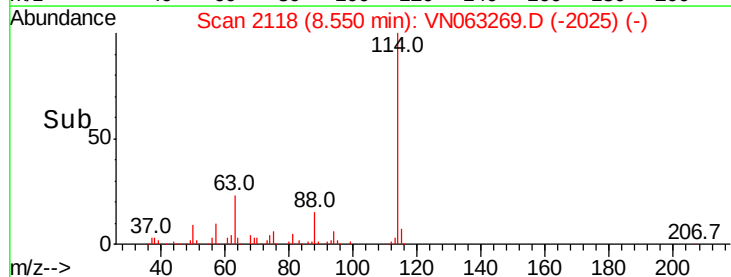
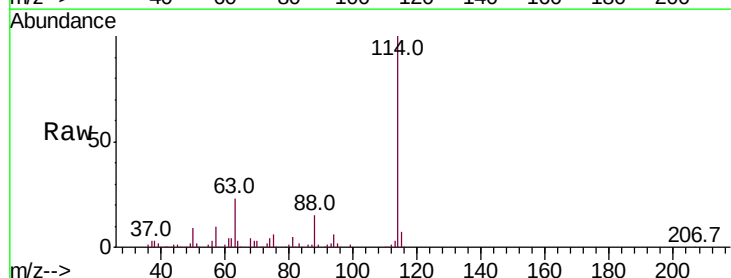
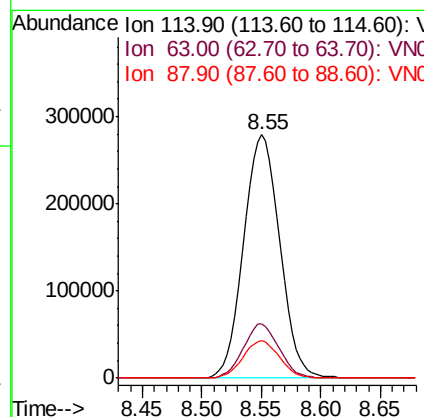
RT: 8.55 min Scan# 2118

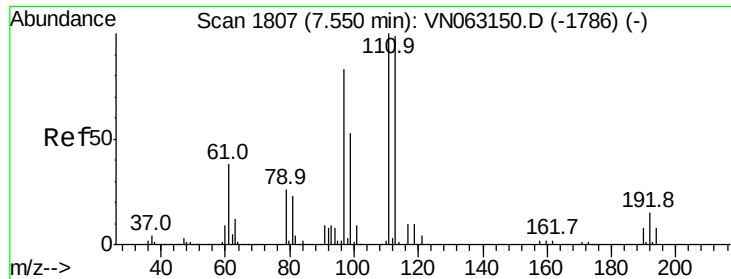
Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	588985		
63	22.5	0.0	43.0	
88	15.2	0.0	31.6	





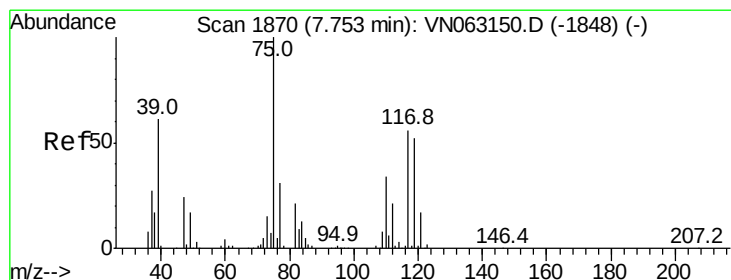
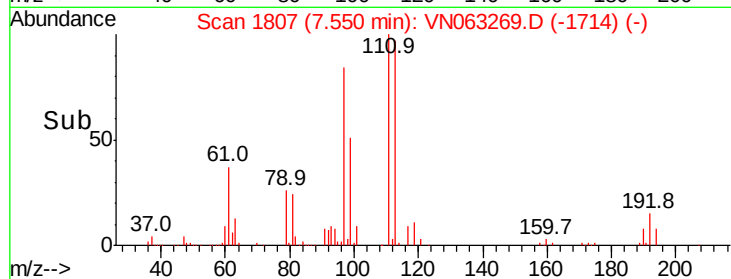
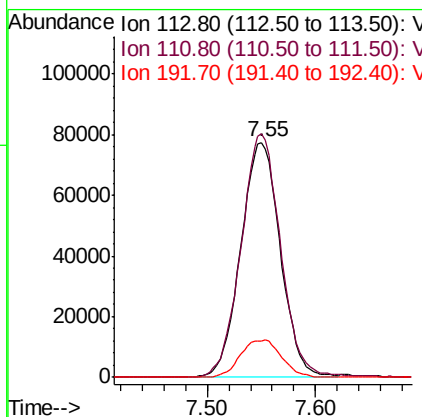
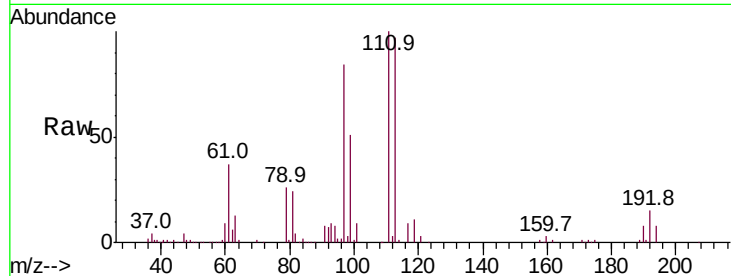
#35
Dibromofluoromethane
Concen: 52.293 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	197595		
111	103.6	80.7	121.1	
192	16.5	12.6	19.0	

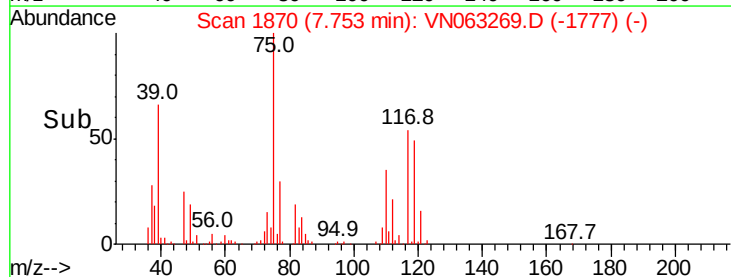
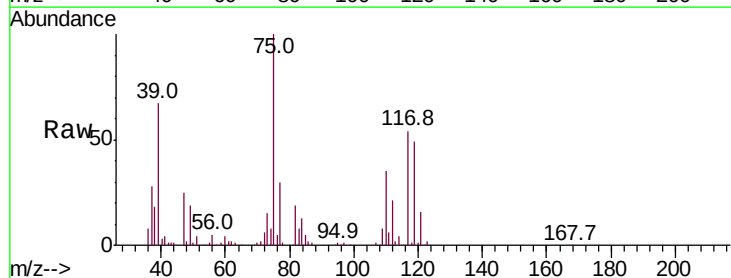
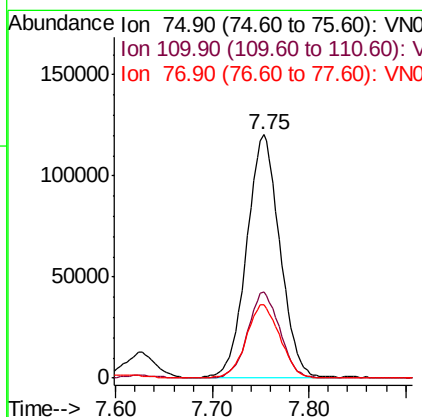
Manual Integrations
APPROVED

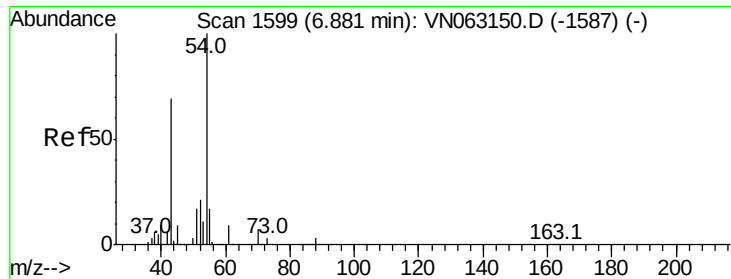
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.479 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	285820		
110	34.4	16.6	49.8	
77	31.0	25.4	38.2	





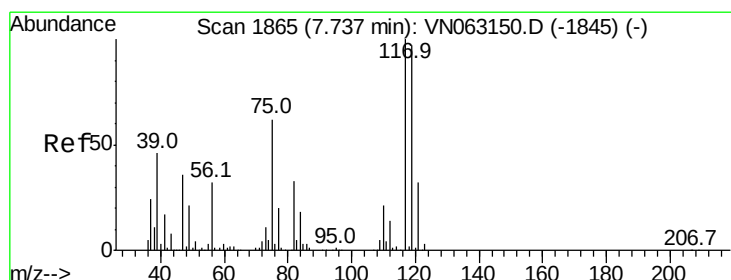
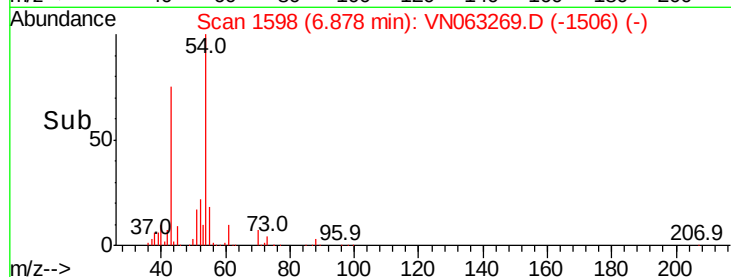
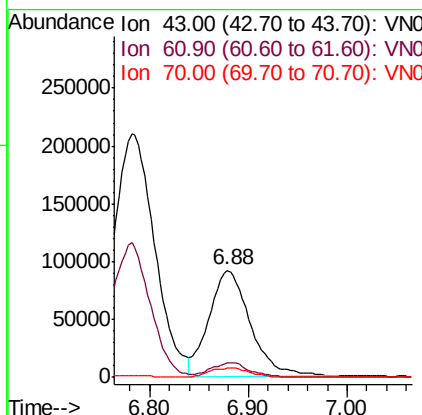
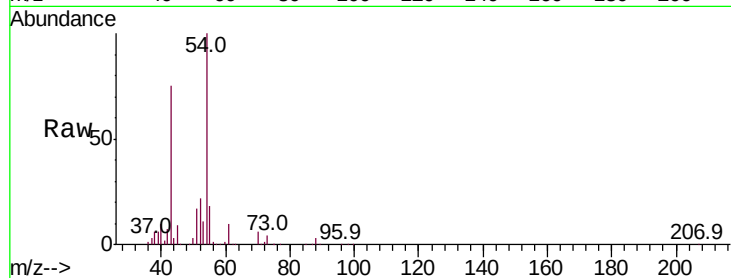
#37
Ethyl Acetate
Concen: 50.253 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.4
70	8.4	3.0	4.6

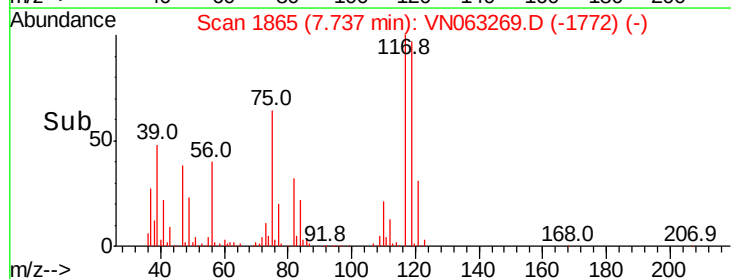
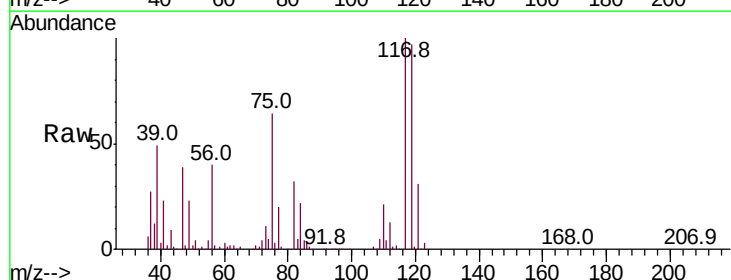
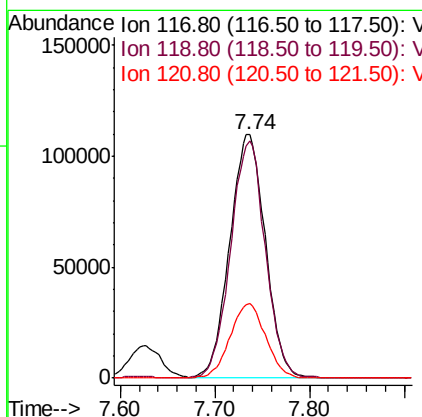
Manual Integrations
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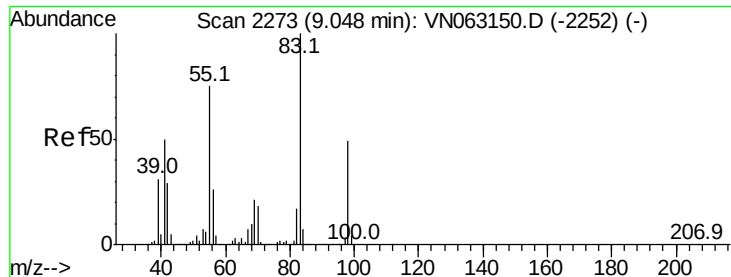
MMDadoda
9/8/2020 1:32:27 PM



#38
Carbon Tetrachloride
Concen: 49.668 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.2	115.8
121	30.9	25.6	38.4





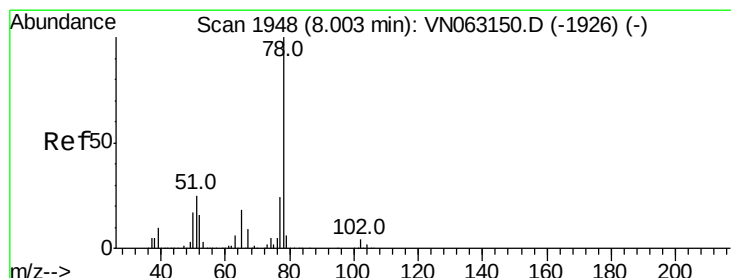
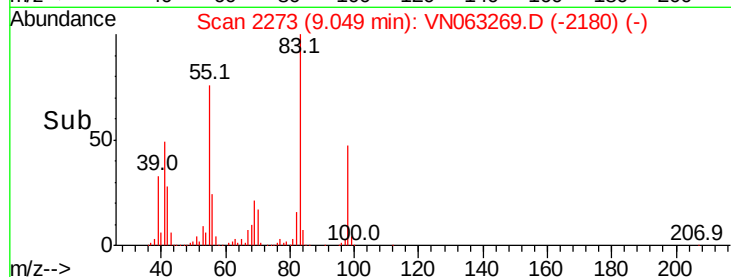
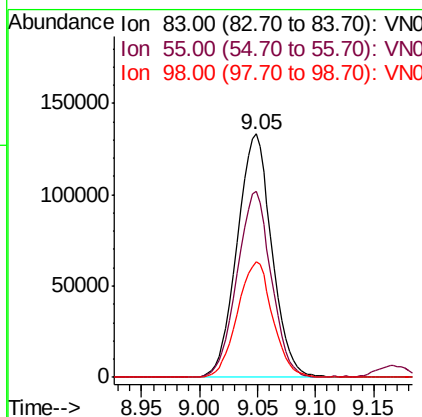
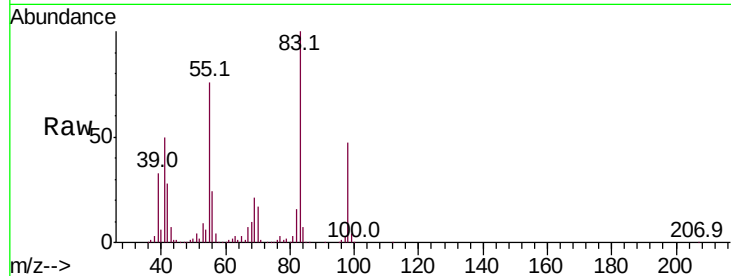
#39
Methylvlcyclohexane
Concen: 43.601 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	277348		
55	76.2		60.3	90.5
98	47.5		38.9	58.3

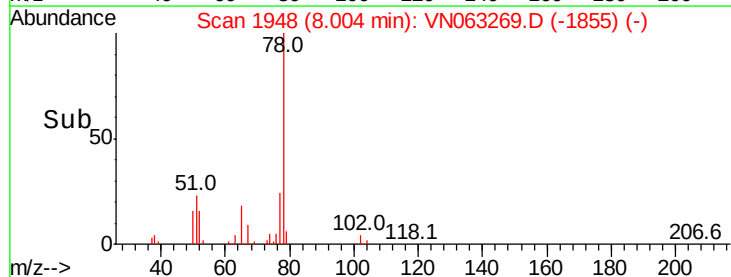
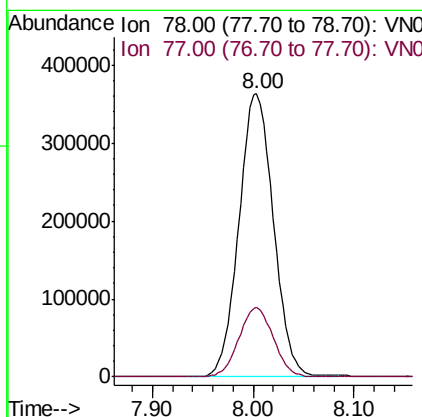
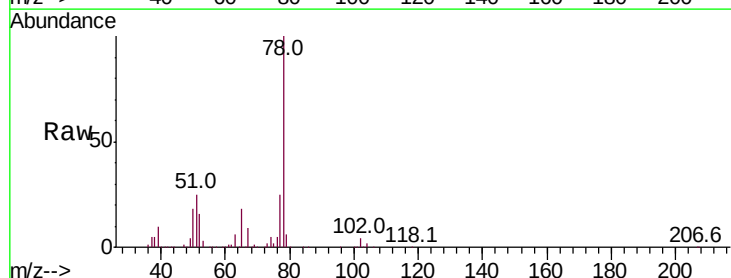
Manual Integrations
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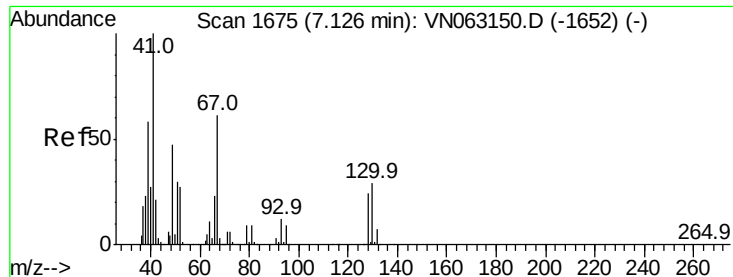
MMDadoda
9/8/2020 1:32:27 PM



#40
Benzene
Concen: 51.732 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	860773		
77	24.5		19.3	28.9





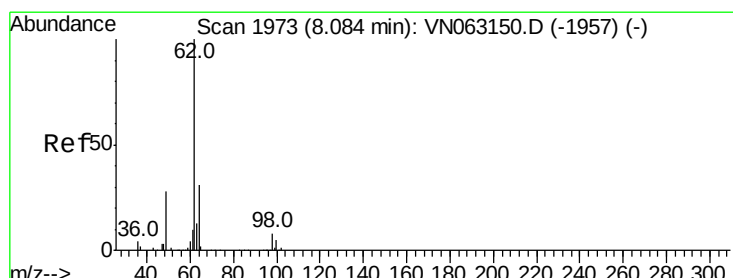
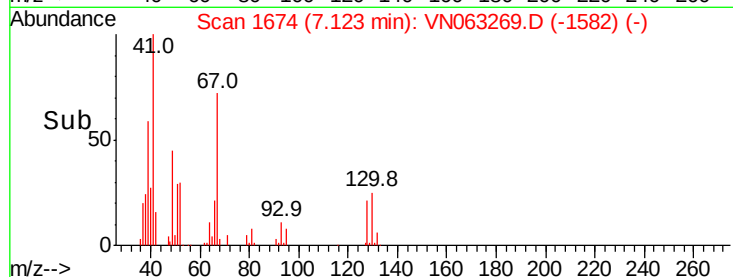
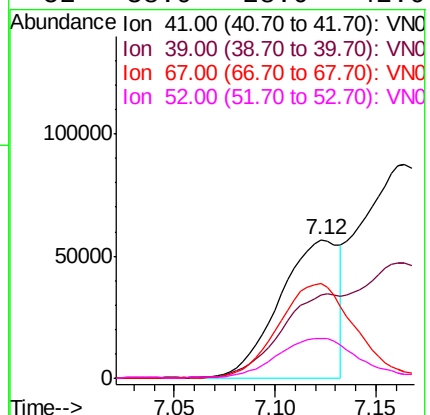
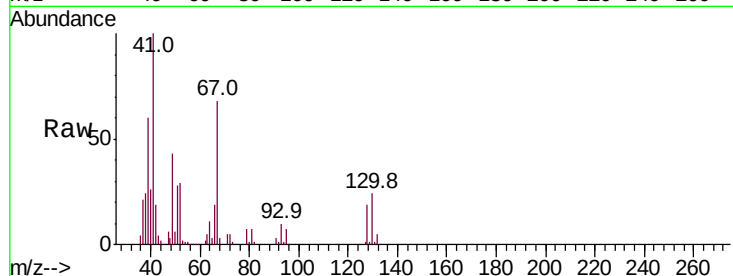
#41
Methacrylonitrile
Concen: 49.063 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.0	46.6	70.0
67	88.8	62.6	94.0
52	38.9	28.0	42.0

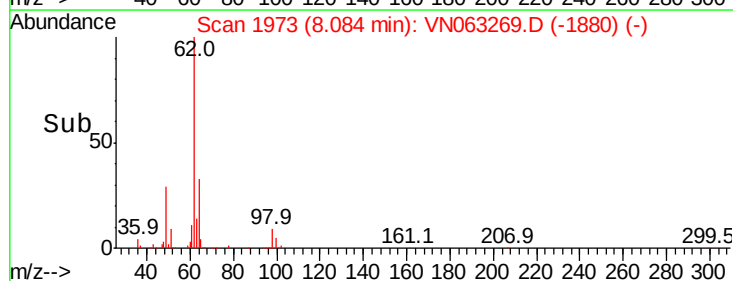
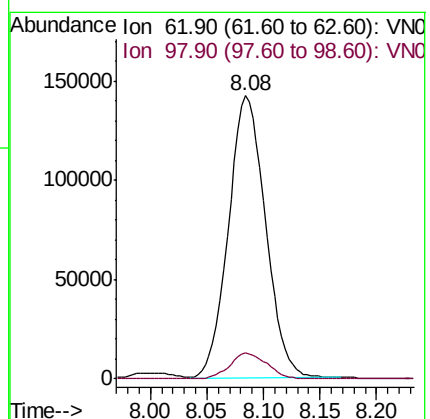
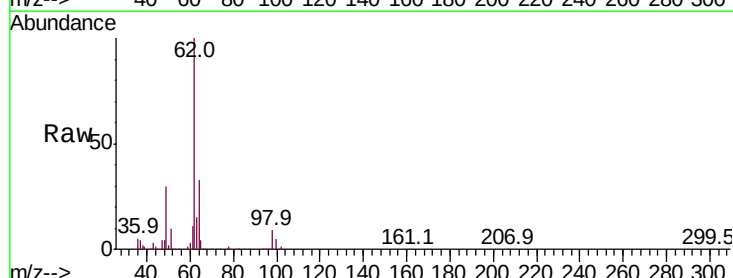
Manual Integrations
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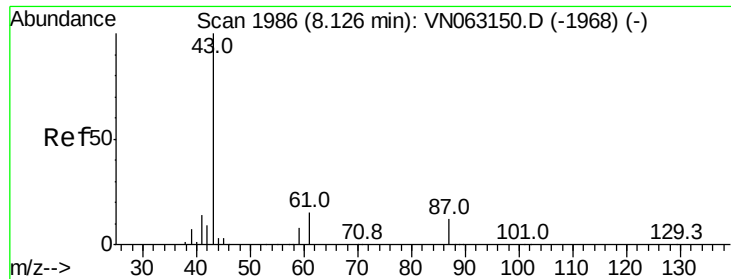
MMDadoda
9/8/2020 1:32:27 PM



#42
1,2-Dichloroethane
Concen: 52.343 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 51.854 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

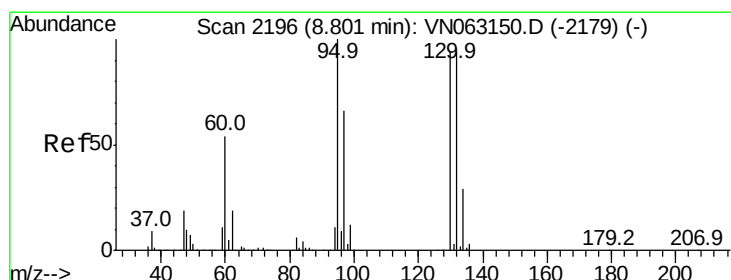
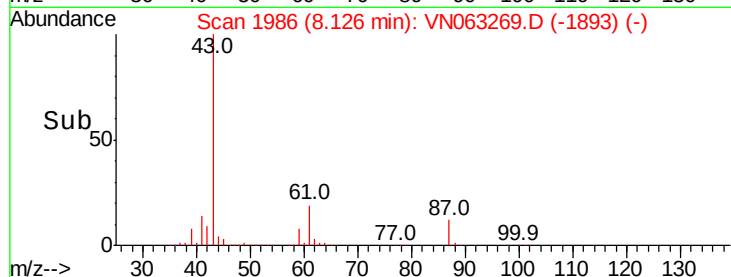
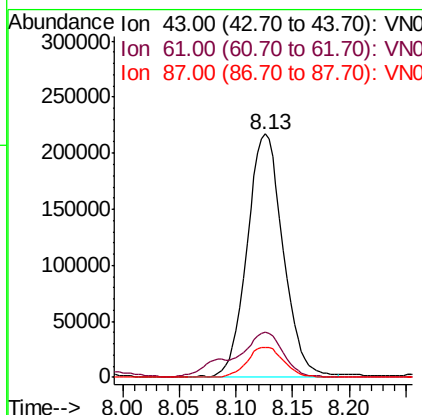
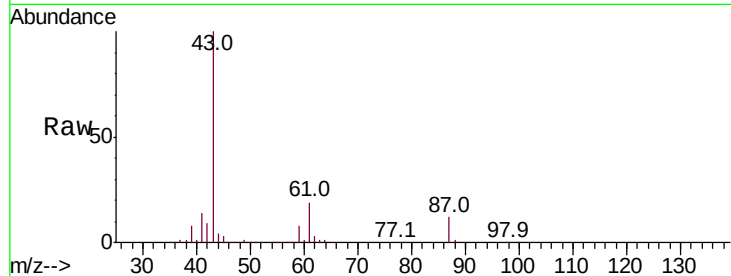
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	478832
Ion	Ratio	Lower	Upper
43	100		
61	19.3	20.2	30.4#
87	12.6	9.8	14.6

Manual Integrations
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9/8/2020 1:32:27 PM



#44

Trichloroethene

Concen: 55.706 ug/l

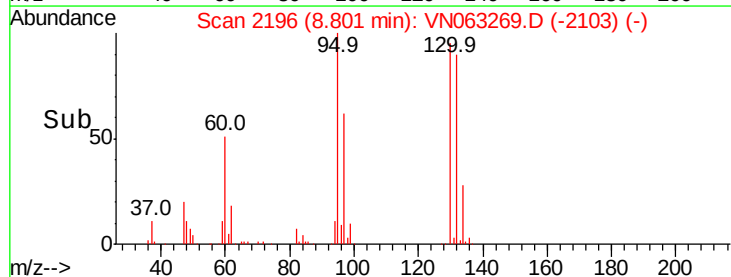
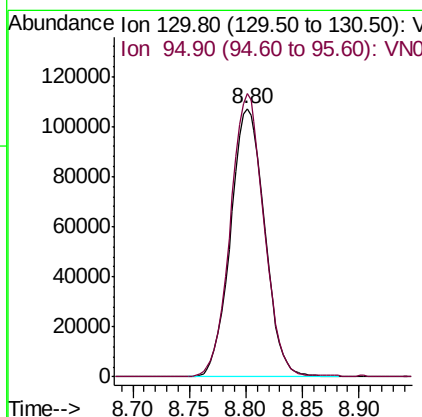
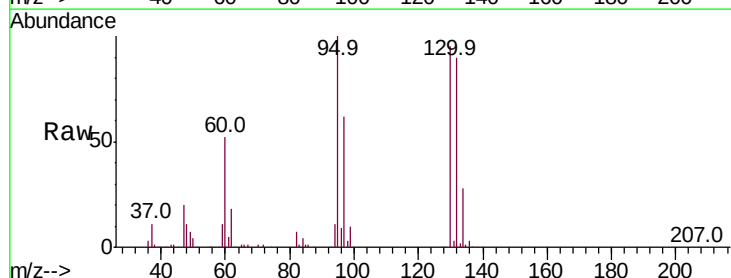
RT: 8.80 min Scan# 2196

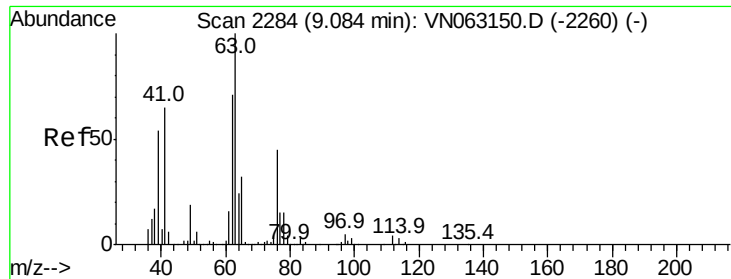
Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tgt Ion	130	Resp	224825
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	212.0





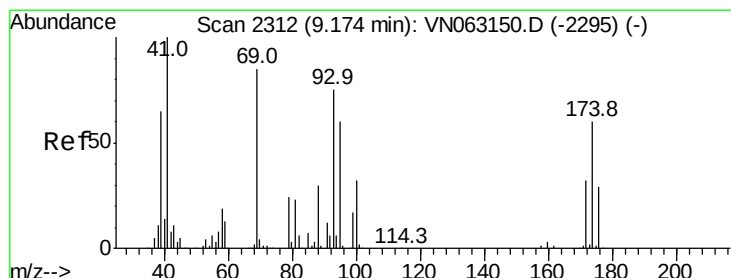
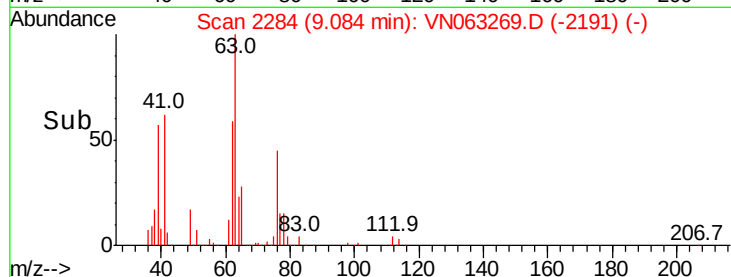
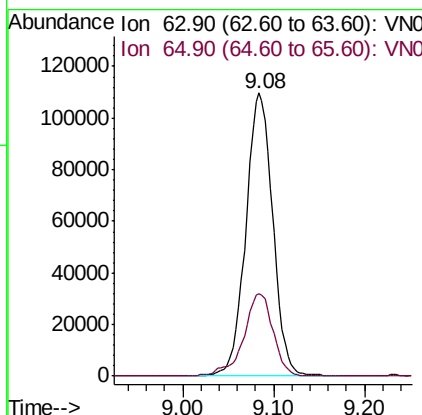
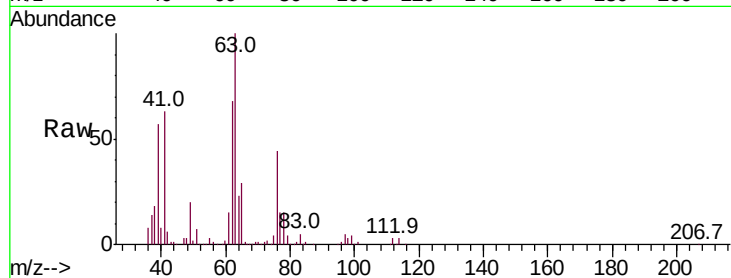
#45
 1,2-Dichloropropane
 Concen: 51.108 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	225154		
65	29.1		25.4	38.0

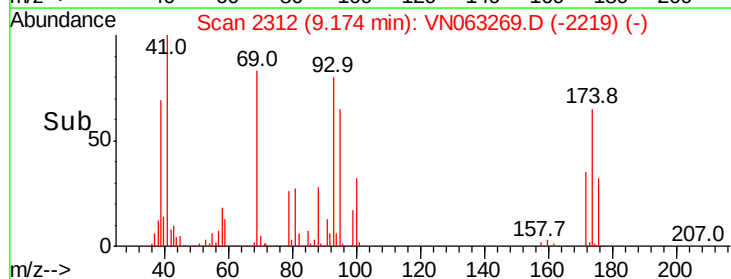
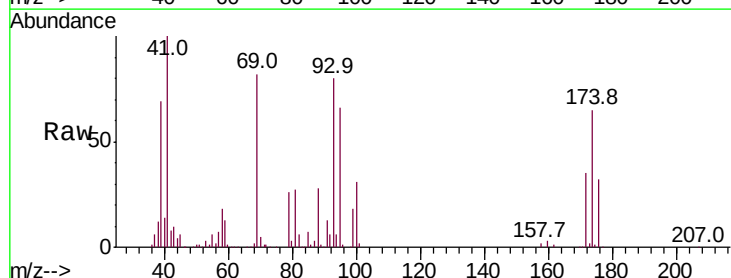
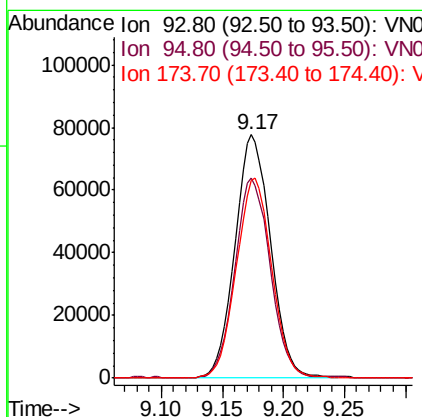
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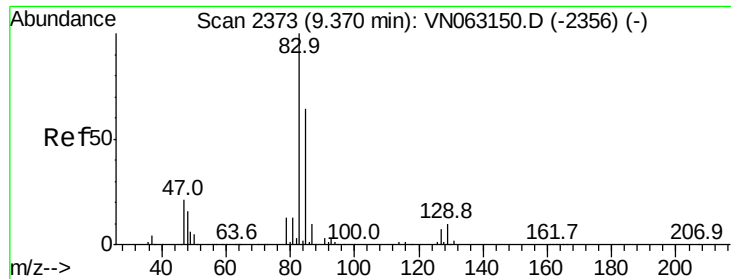
MMDadoda
 9/8/2020 1:32:27 PM



#46
 Dibromomethane
 Concen: 53.822 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	157133		
95	81.6		65.2	97.8
174	82.0		64.6	97.0





#47

Bromodichloromethane

Concen: 51.803 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

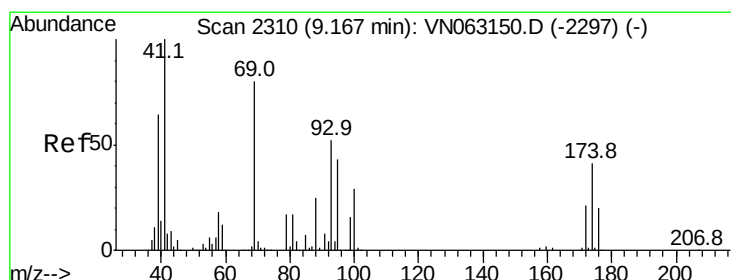
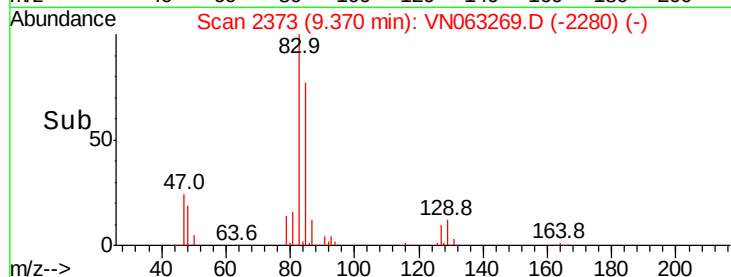
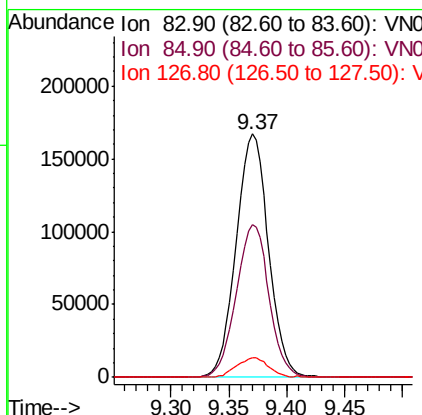
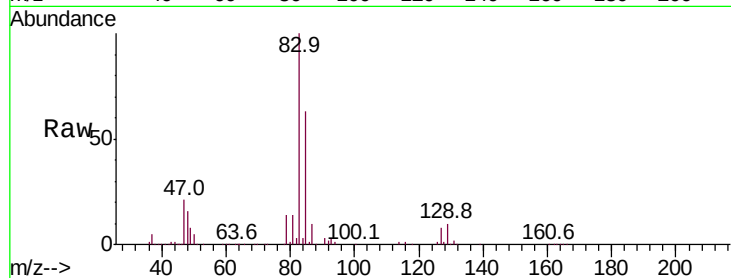
ClientSampleId :

VSTDCCC050EC

Tot Ion	83	Resp	324175
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.0	76.6
127	7.8	5.7	8.5

Manual Integrations
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MMDadoda
9/8/2020 1:32:27 PM



#48

Methyl methacrylate

Concen: 53.167 ug/l

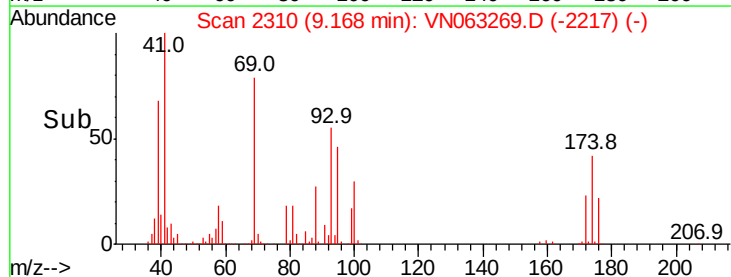
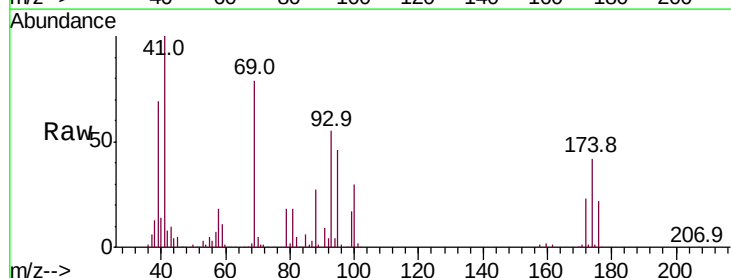
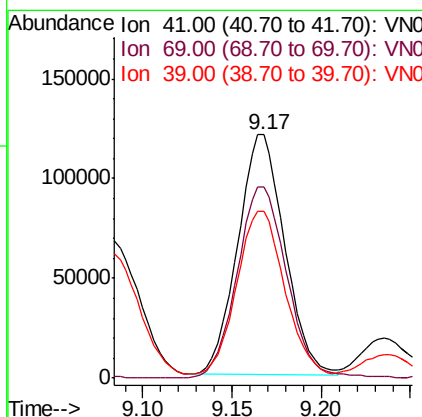
RT: 9.17 min Scan# 2310

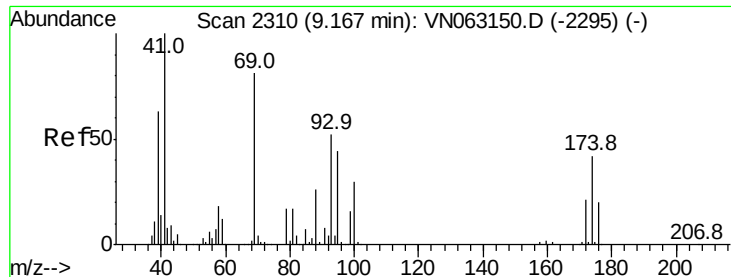
Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tgt Ion	41	Resp	221322
Ion	Ratio	Lower	Upper
41	100		
69	84.8	65.9	98.9
39	71.6	52.0	78.0





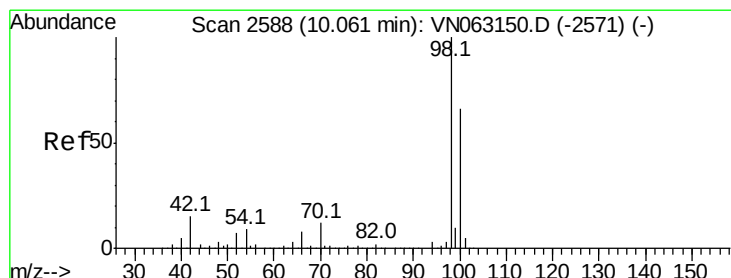
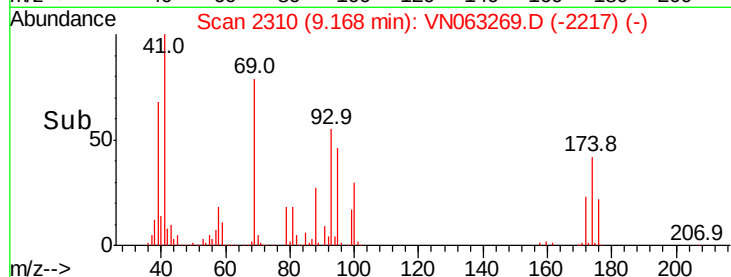
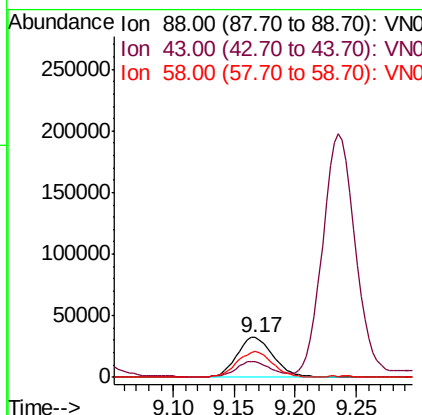
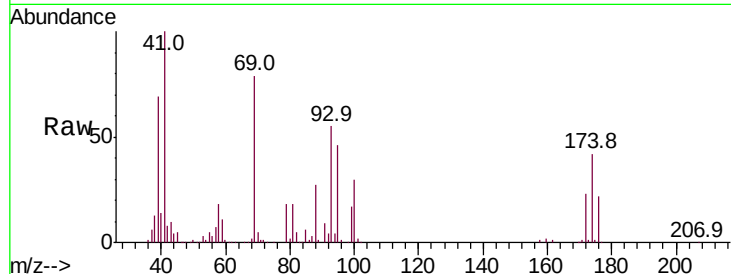
#49
1,4-Dioxane
Concen: 1042.598 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	67129
Ion	Ratio	Lower	Upper
88	100		
43	35.4	28.6	42.8
58	63.8	53.2	79.8

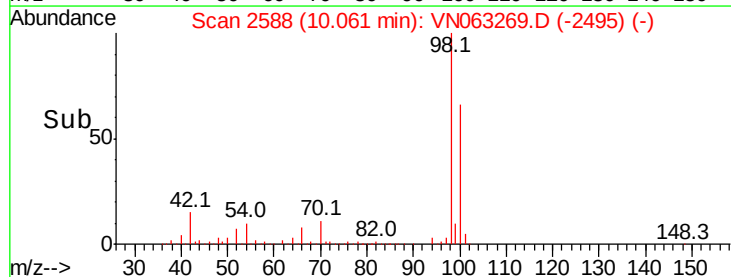
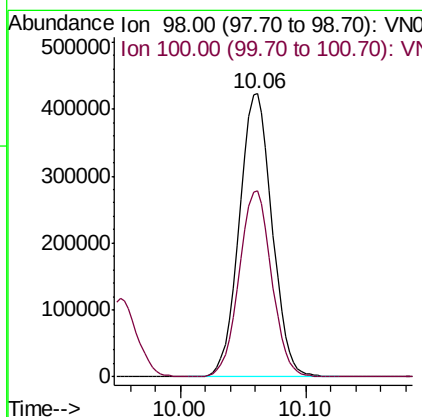
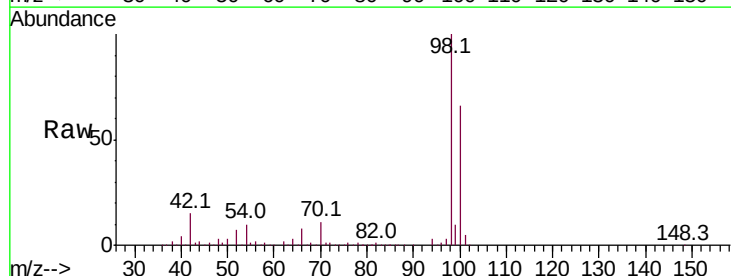
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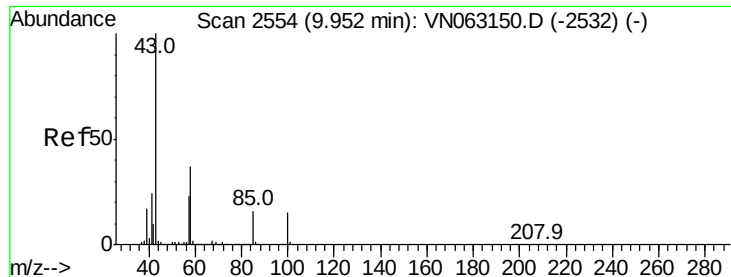
MMDadoda
9/8/2020 1:32:27 PM



#50
Toluene-d8
Concen: 52.773 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	98	Resp	767536
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 284.016 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tot Ion: 43 Resp: 1425176

Ion Ratio Lower Upper

43 100

58 37.0 29.2 43.8

Instrument :

MSVOA_N

ClientSampleId :

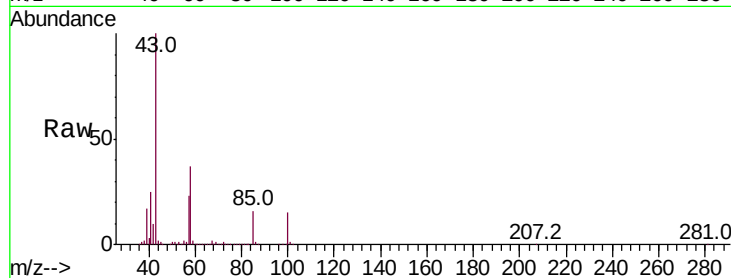
VSTDCCC050EC

Manual Integrations

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9/8/2020 1:32:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN063150.D (-2532) (-)

800000

600000

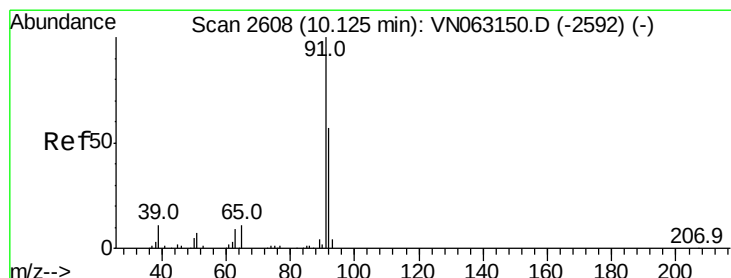
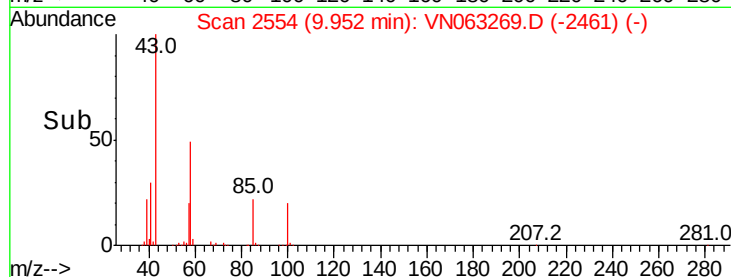
400000

200000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 54.754 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063269.D

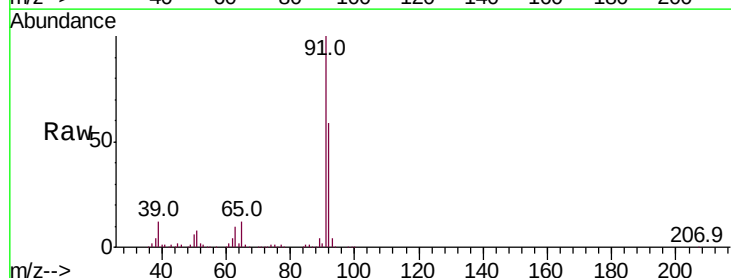
Acq: 5 Sep 2020 5:11

Tgt Ion: 92 Resp: 567529

Ion Ratio Lower Upper

92 100

91 170.0 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN063150.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063150.D (-2592) (-)

600000

500000

400000

300000

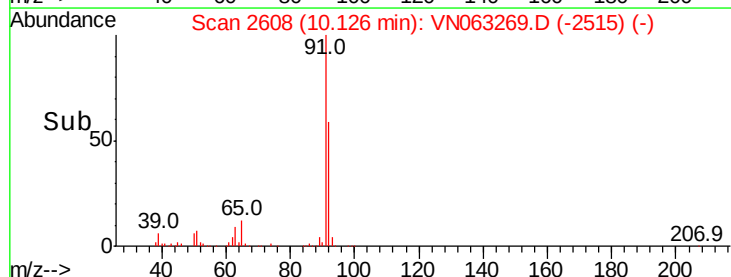
200000

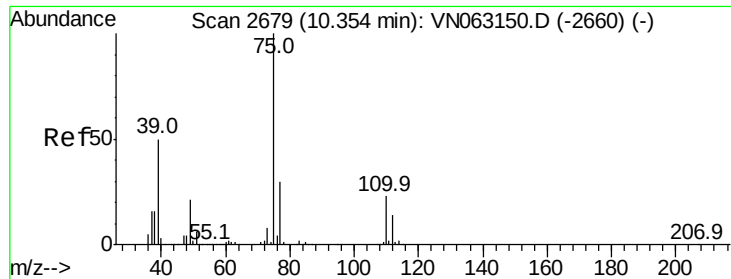
100000

0

10.10 10.13 10.20

Time-->





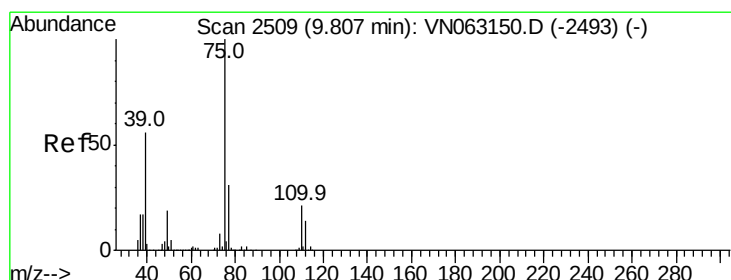
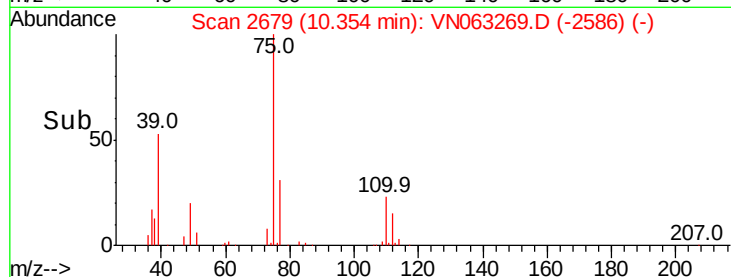
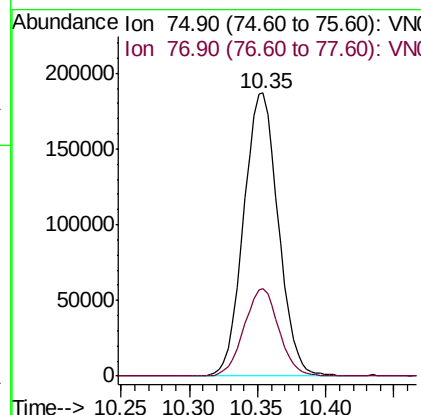
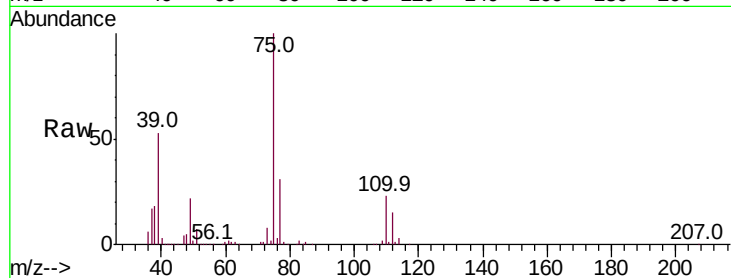
#53
 t-1,3-Dichloropropene
 Concen: 48.250 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 330280
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.2 36.2

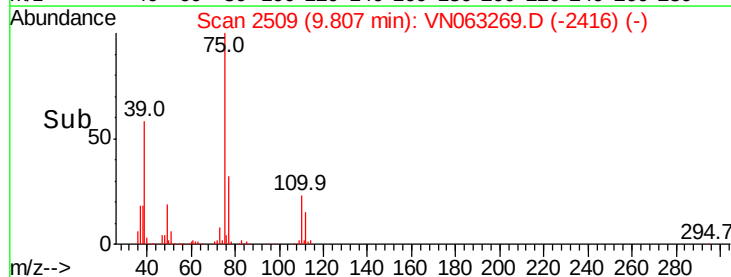
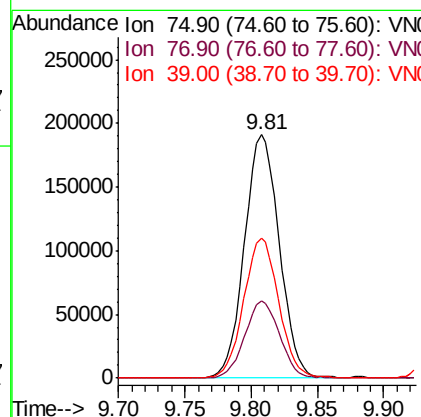
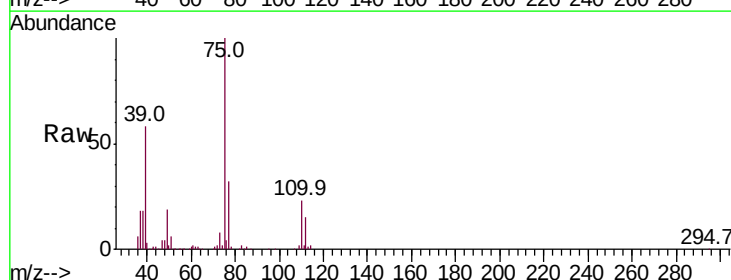
Manual Integrations
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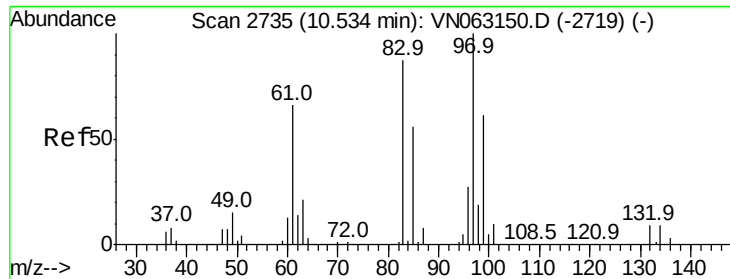
MMDadoda
 9/8/2020 1:32:27 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.703 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Tgt Ion: 75 Resp: 349944
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2
 39 57.5 45.0 67.6





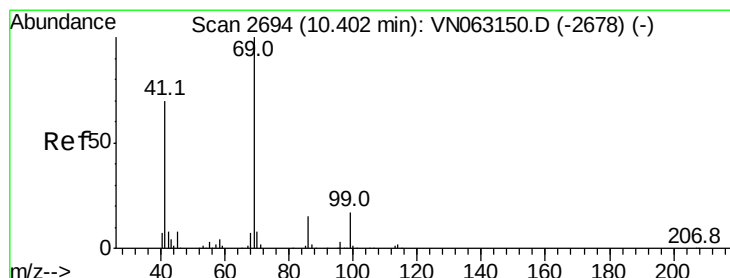
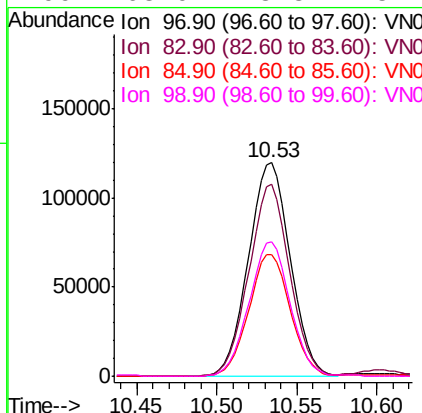
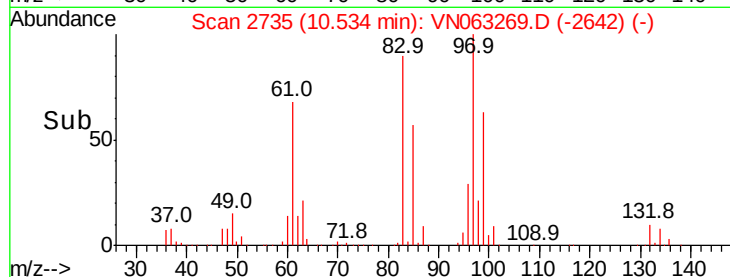
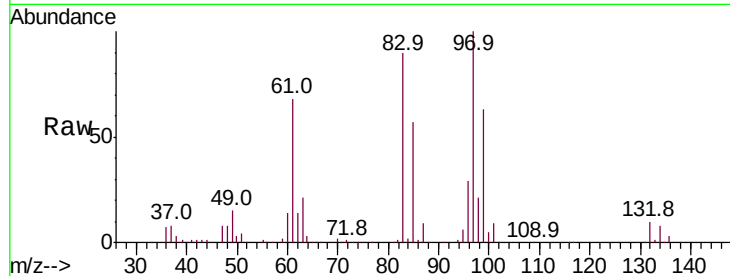
#55
 1,1,2-Trichloroethane
 Concen: 54.307 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	215575		
83	90.0	69.8	104.8	
85	56.8	44.9	67.3	
99	63.0	48.8	73.2	

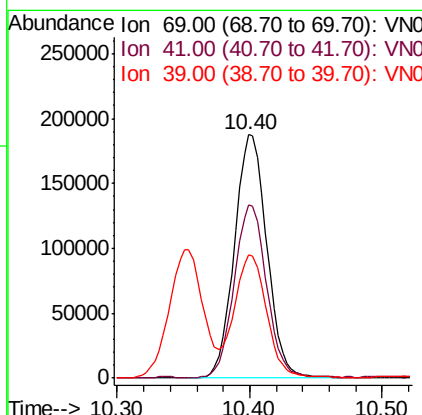
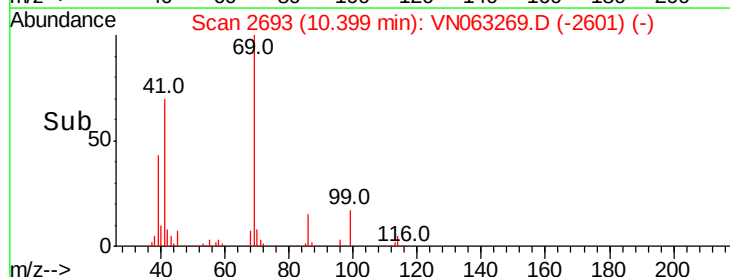
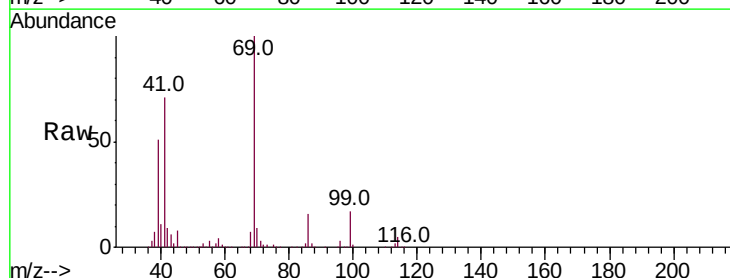
Manual Integrations
 APPROVED

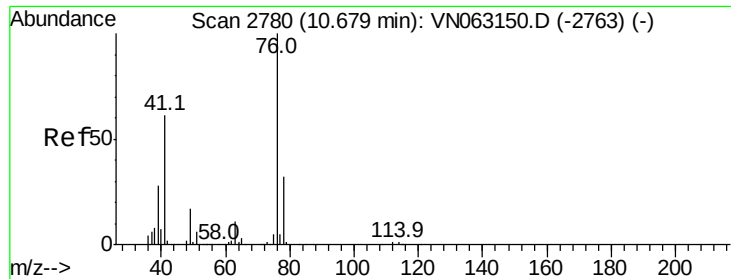
MMDadoda
 9/8/2020 1:32:27 PM



#56
 Ethyl methacrylate
 Concen: 52.814 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	319049		
41	70.2	55.5	83.3	
39	50.0	38.2	57.2	





#57

1,3-Dichloropropane

Concen: 53.022 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 374951

Ion Ratio Lower Upper

76 100

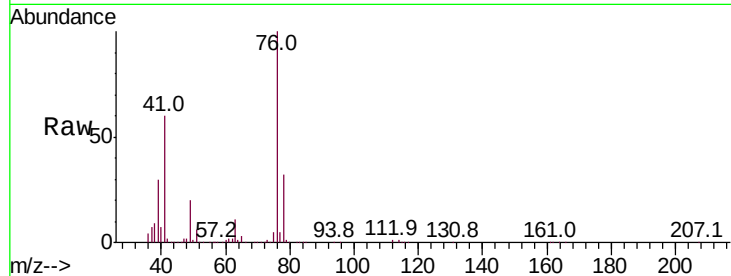
78 32.6 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VN063150.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN063150.D (-2763) (-)

10.68

250000

200000

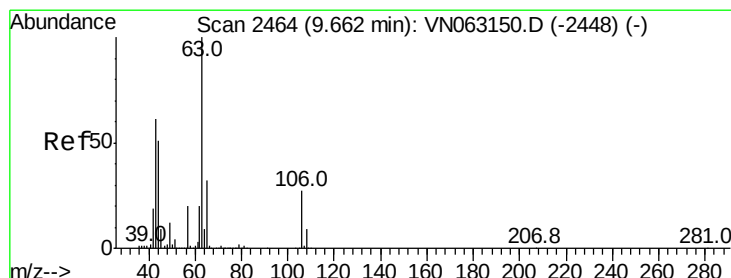
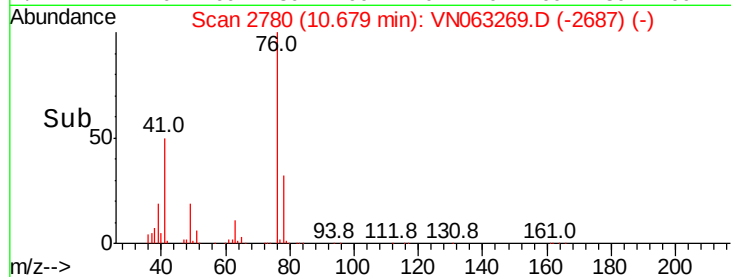
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 255.320 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063269.D

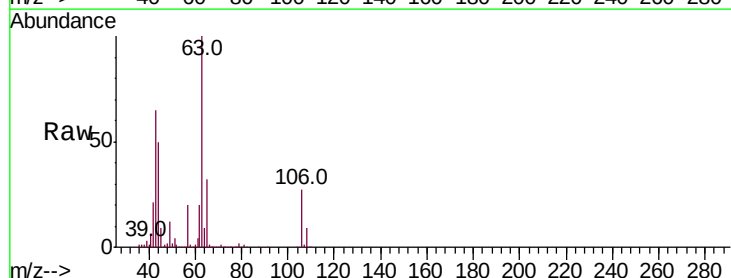
Acq: 5 Sep 2020 5:11

Tgt Ion: 63 Resp: 798709

Ion Ratio Lower Upper

63 100

106 27.4 21.8 32.6



Abundance Ion 62.90 (62.60 to 63.60): VN063150.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN063150.D (-2448) (-)

9.66

500000

400000

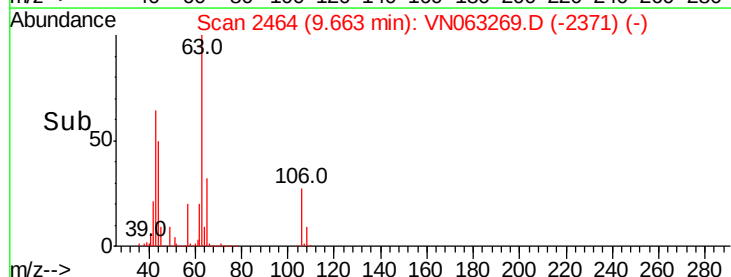
300000

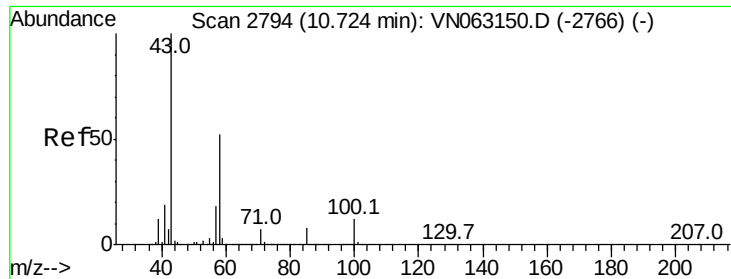
200000

100000

0

Time-->





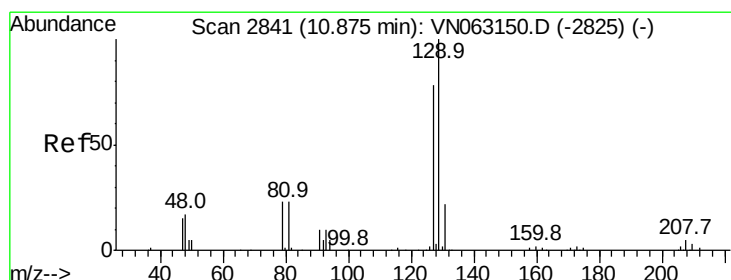
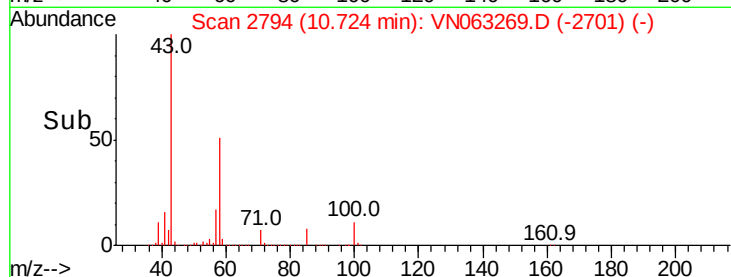
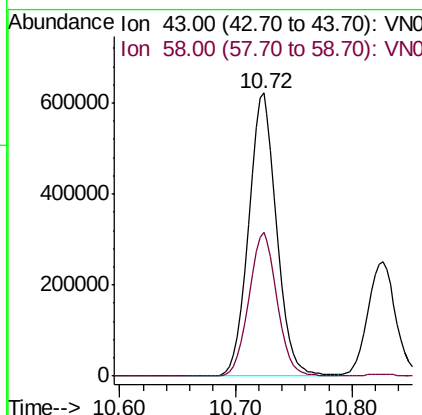
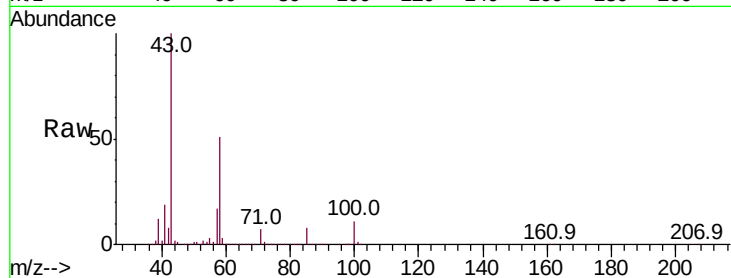
#59
2-Hexanone
Concen: 295.703 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 1042807
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.8

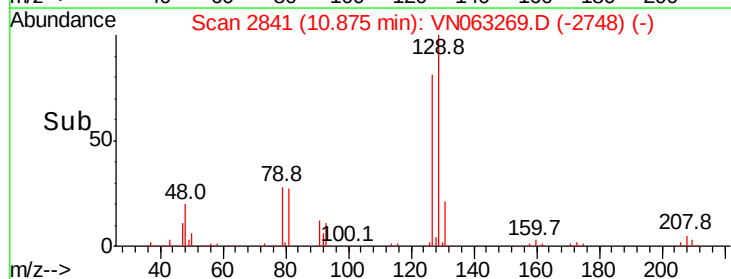
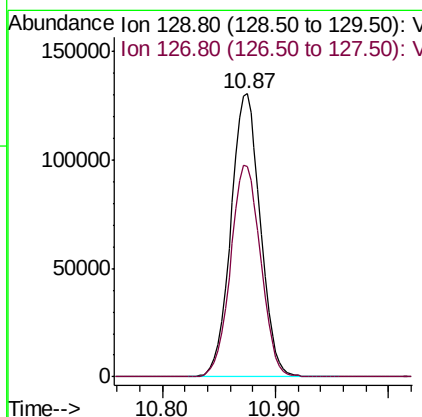
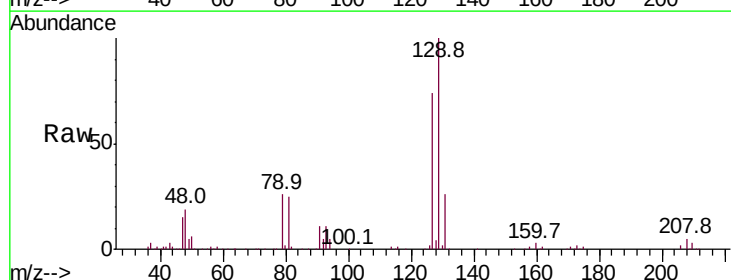
Manual Integrations
APPROVED

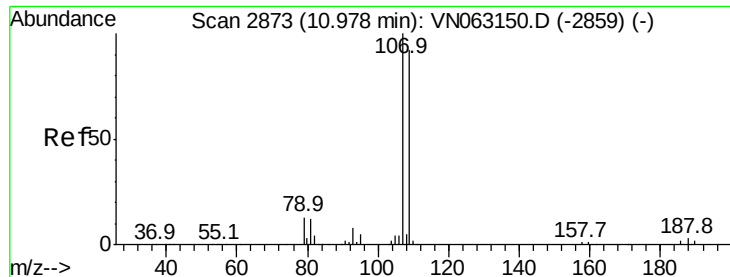
MMDadoda
9/8/2020 1:32:27 PM



#60
Dibromochloromethane
Concen: 53.884 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion: 129 Resp: 236477
Ion Ratio Lower Upper
129 100
127 76.4 39.0 117.0





#61

1,2-Dibromoethane

Concen: 54.392 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 224448

Ion Ratio Lower Upper

107 100

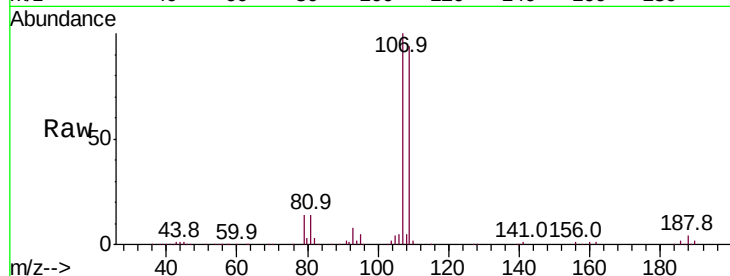
109 92.8 73.4 110.0

Manual Integrations

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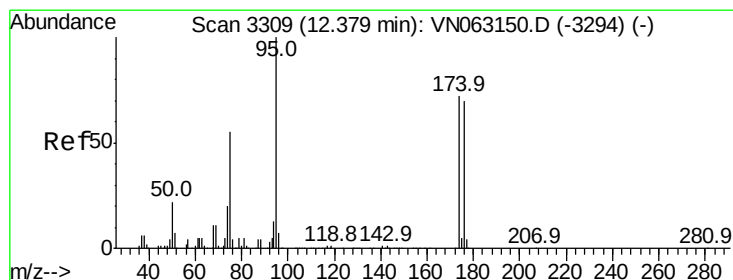
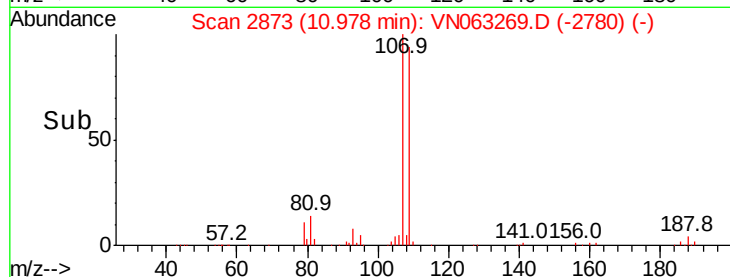
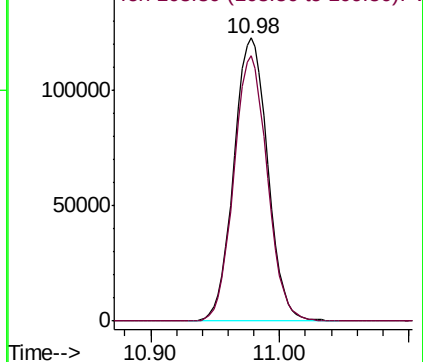
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.753 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

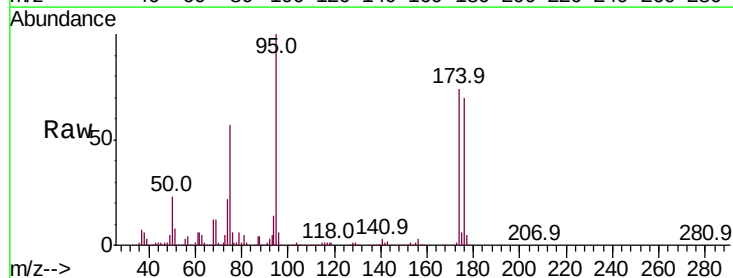
Tgt Ion: 95 Resp: 273470

Ion Ratio Lower Upper

95 100

174 74.4 0.0 143.8

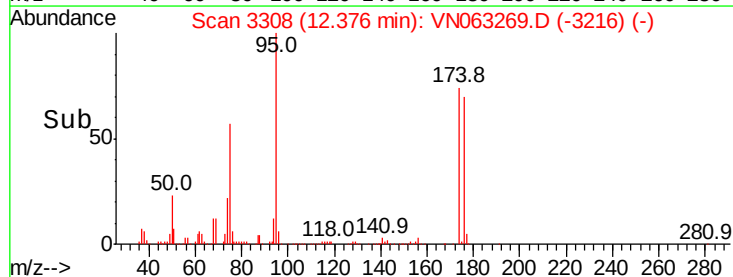
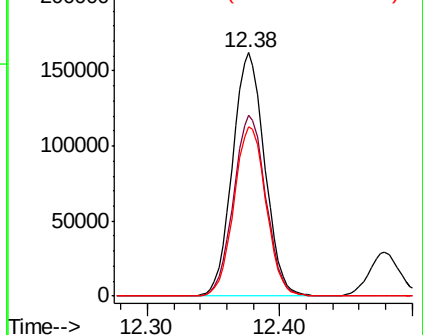
176 69.5 0.0 138.4

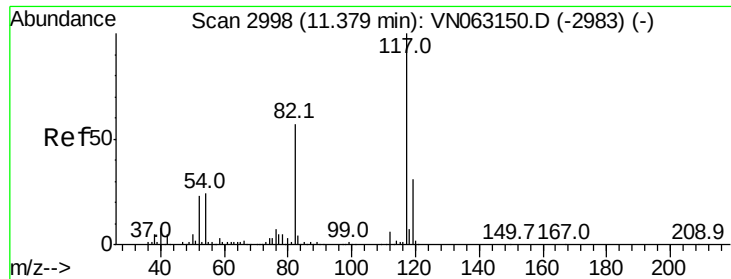


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

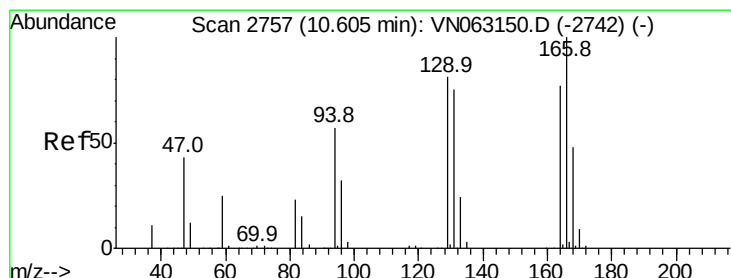
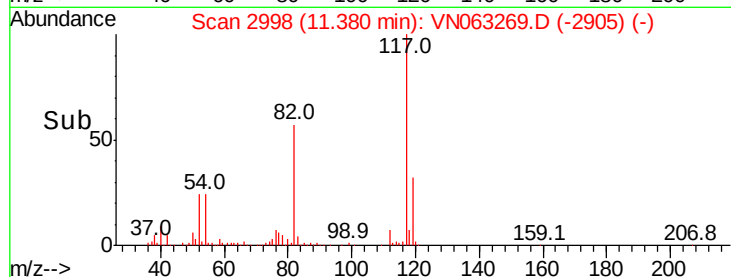
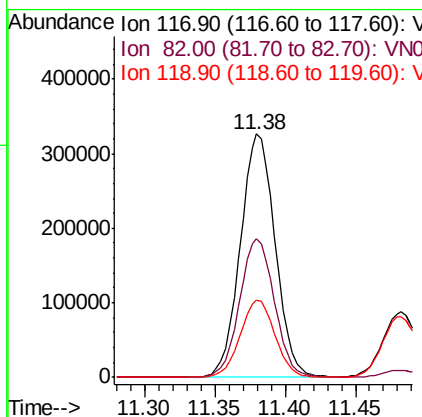
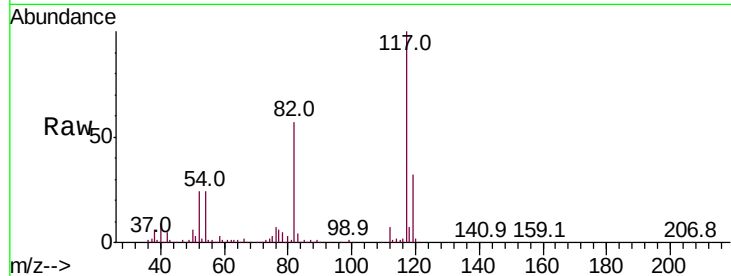
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	565326
Ion Ratio	Lower	Upper	
117	100		
82	57.2	45.4	68.0
119	31.7	24.6	37.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 55.284 ug/l

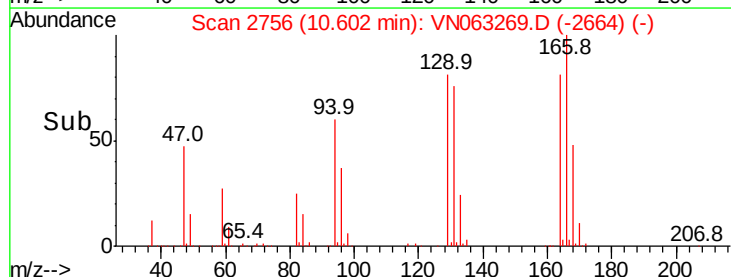
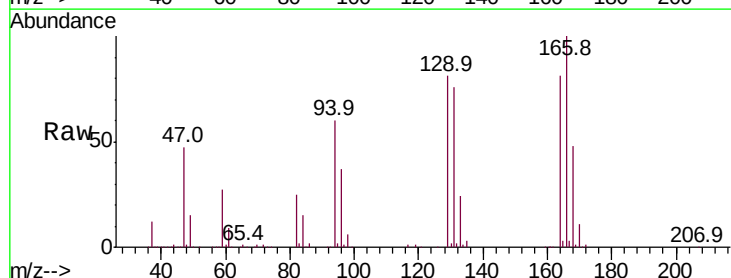
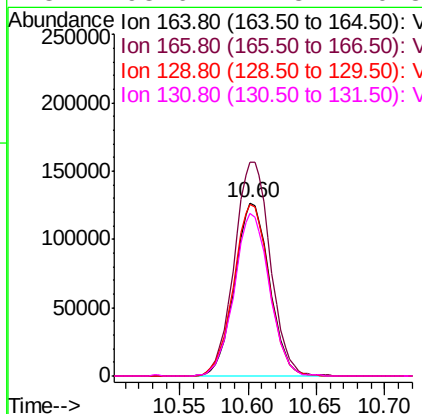
RT: 10.60 min Scan# 2756

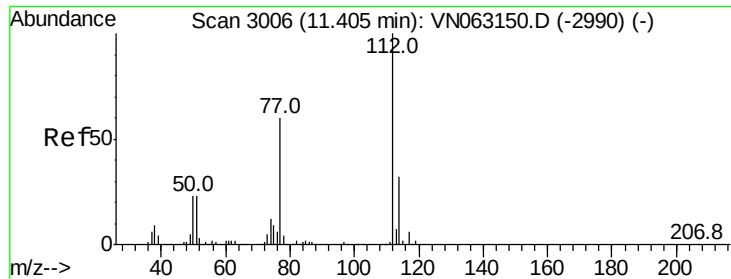
Delta R.T. -0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tgt Ion:	164	Resp:	224431
Ion Ratio	Lower	Upper	
164	100		
166	123.1	103.4	155.2
129	99.4	83.4	125.0
131	93.6	77.8	116.8





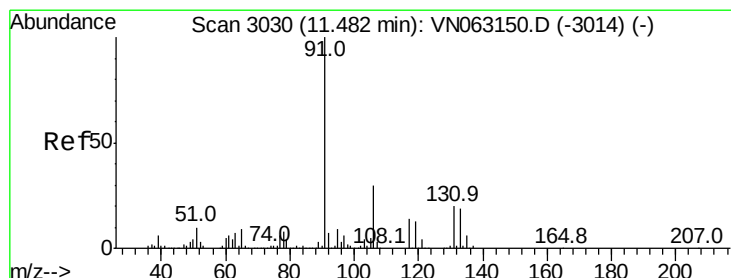
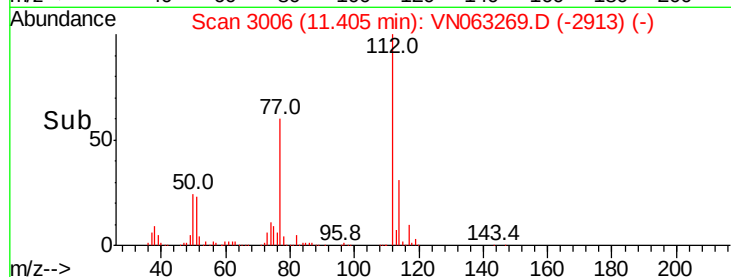
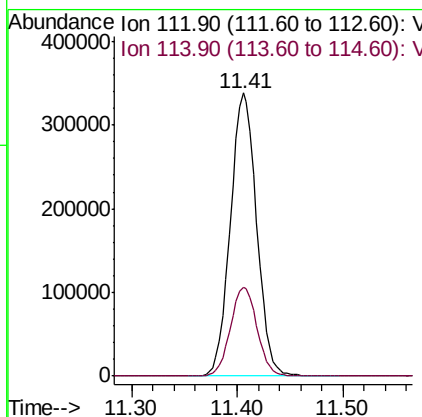
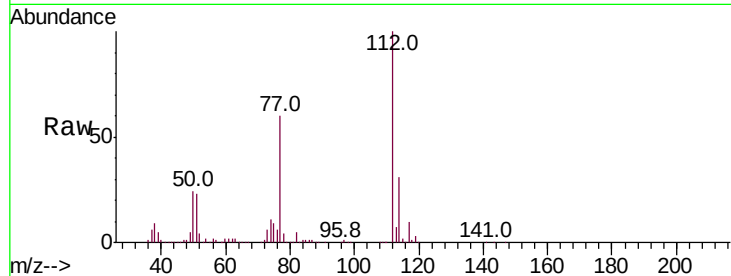
#65
Chlorobenzene
Concen: 51.045 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	581218		
114	31.4	25.2	37.8	

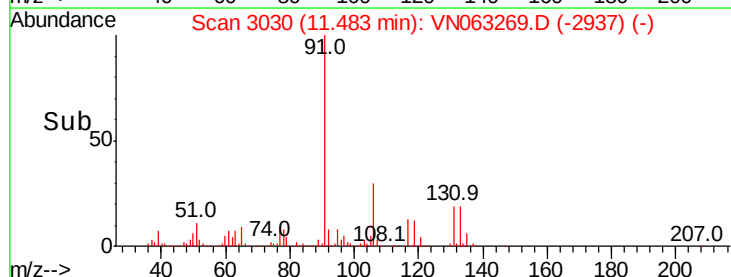
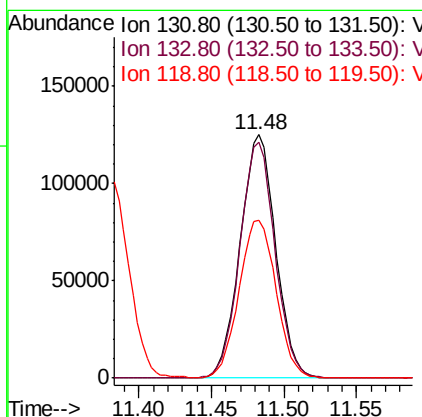
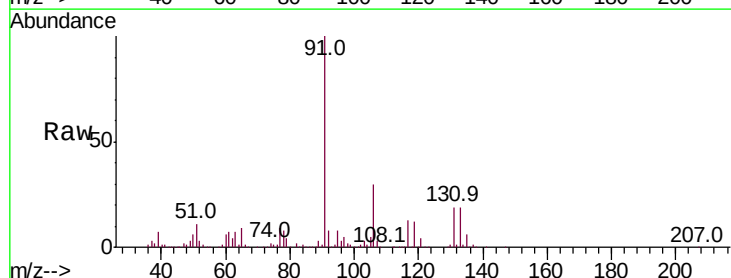
Manual Integrations
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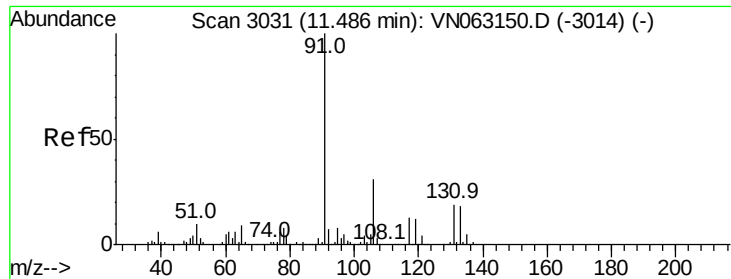
MMDadoda
9/8/2020 1:32:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.499 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	213484		
133	96.2	47.3	142.0	
119	67.7	32.4	97.0	





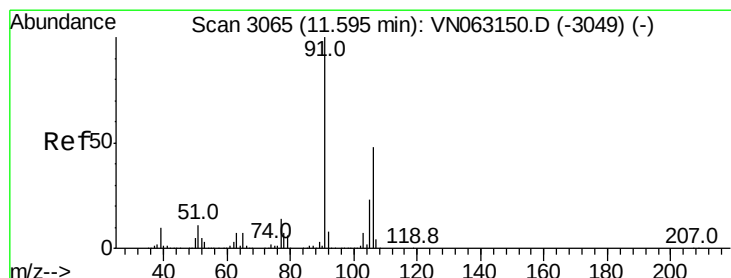
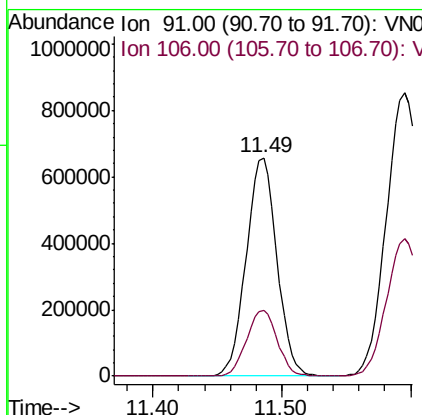
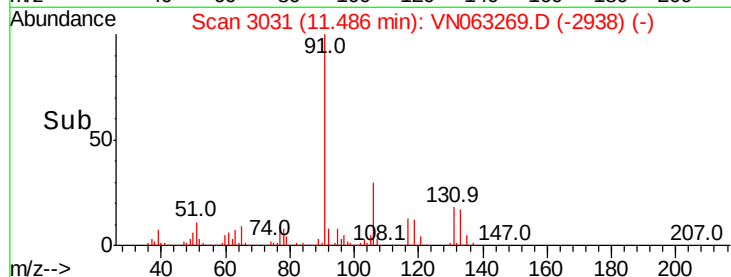
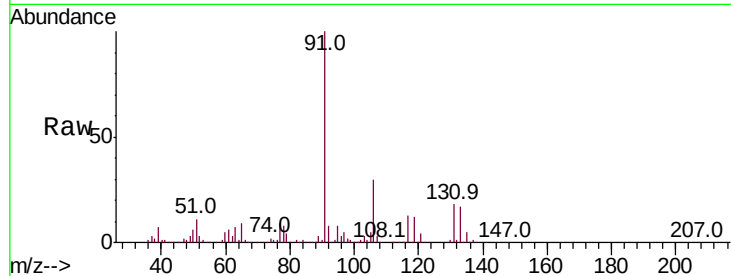
#67
Ethyl Benzene
Concen: 52.637 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1093370
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6

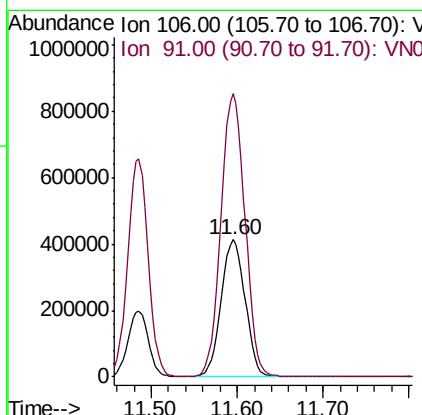
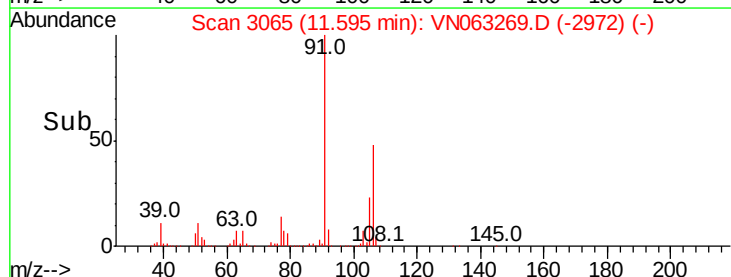
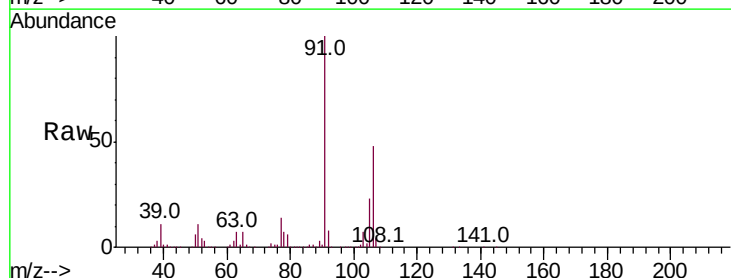
Manual Integrations
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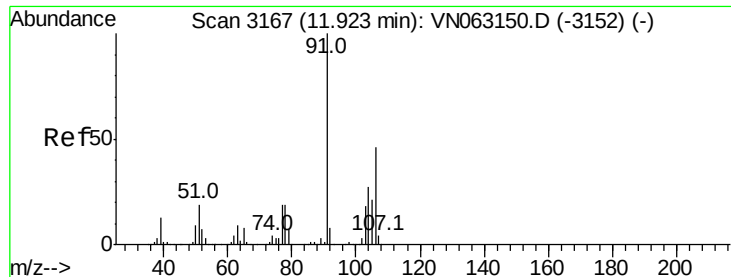
MMDadoda
9/8/2020 1:32:27 PM



#68
m/p-Xylenes
Concen: 104.490 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion: 106 Resp: 803874
Ion Ratio Lower Upper
106 100
91 205.8 166.7 250.1





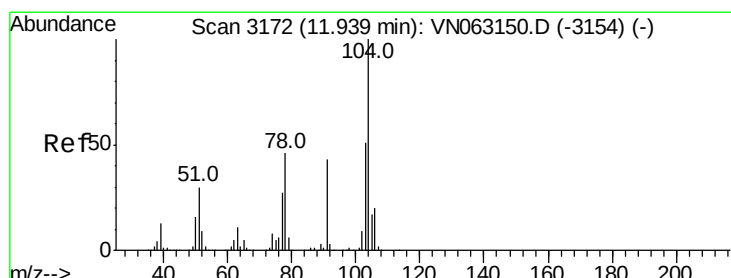
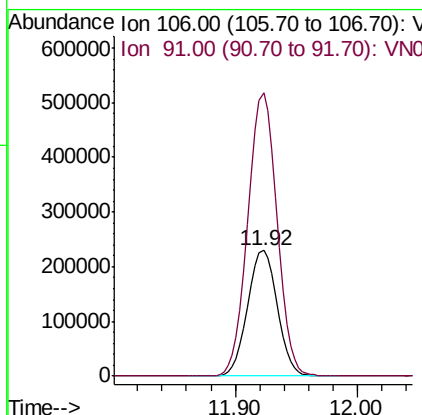
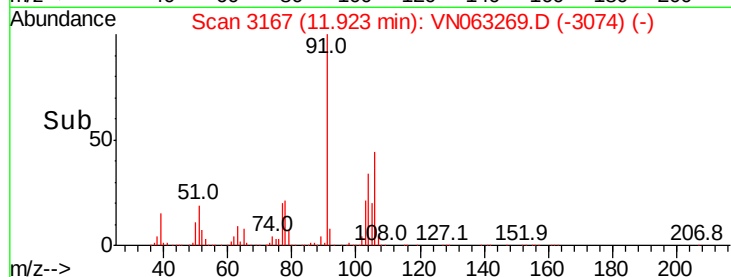
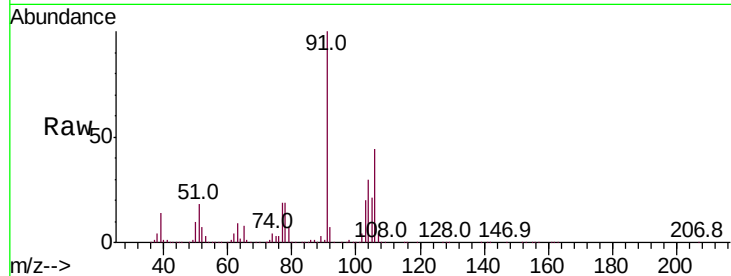
#69
o-Xylene
Concen: 51.856 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.0	108.6	325.6

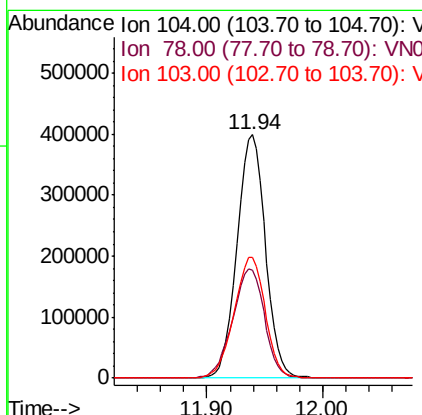
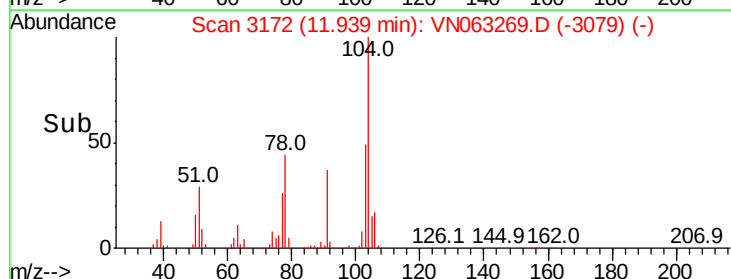
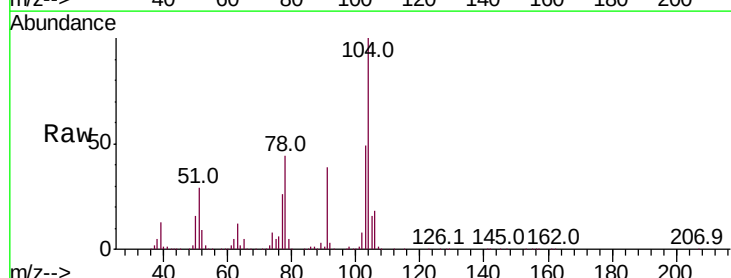
Manual Integrations
APPROVED

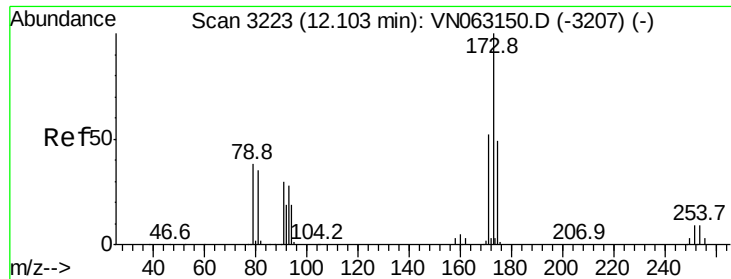
MMDadoda
9/8/2020 1:32:27 PM



#70
Styrene
Concen: 53.124 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	41.0	61.6
103	54.4	43.8	65.8





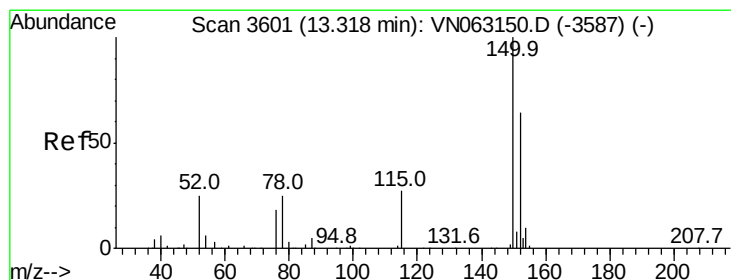
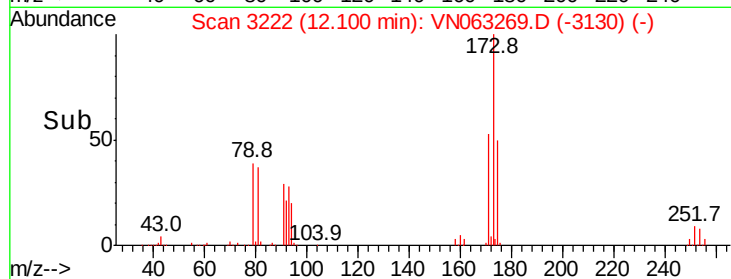
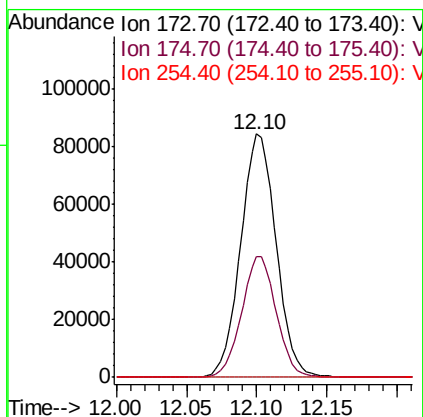
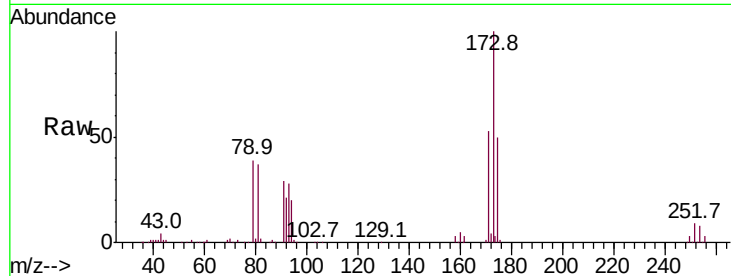
#71
Bromoform
Concen: 51.899 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.8
254	0.0	0.0	0.0#

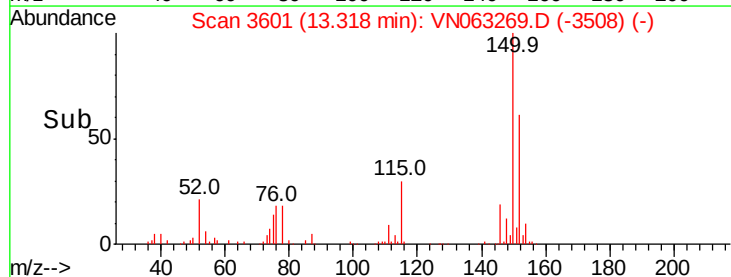
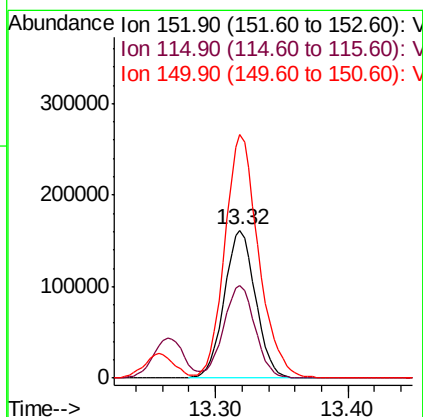
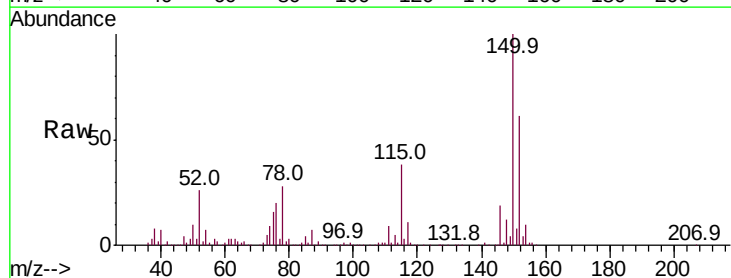
Manual Integrations
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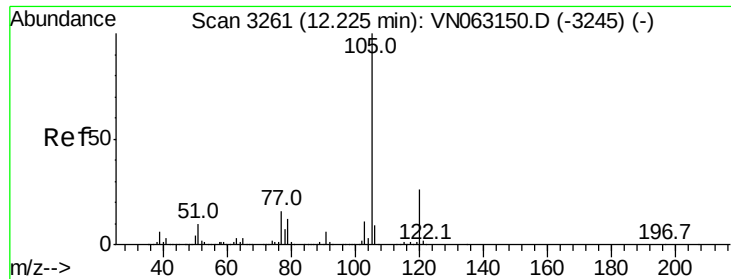
MMDadoda
9/8/2020 1:32:27 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.3	32.0	96.2
150	176.7	0.0	353.0





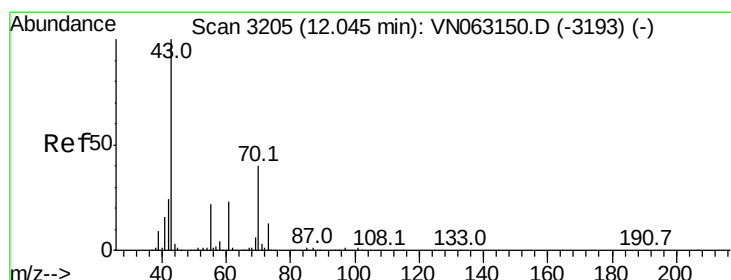
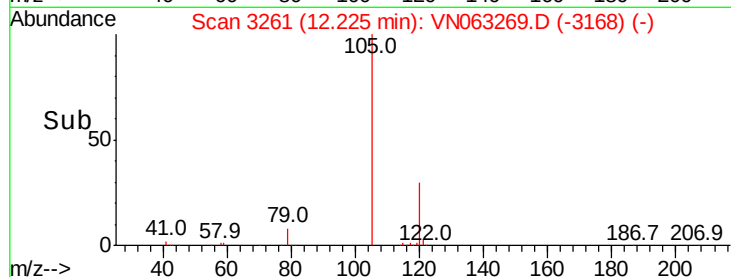
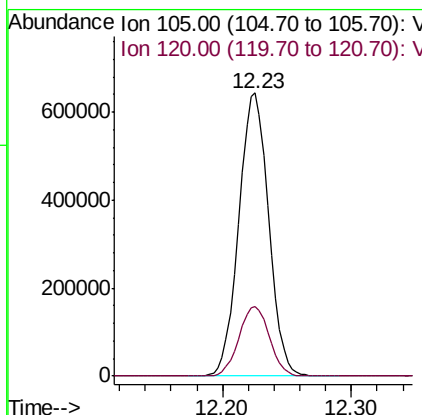
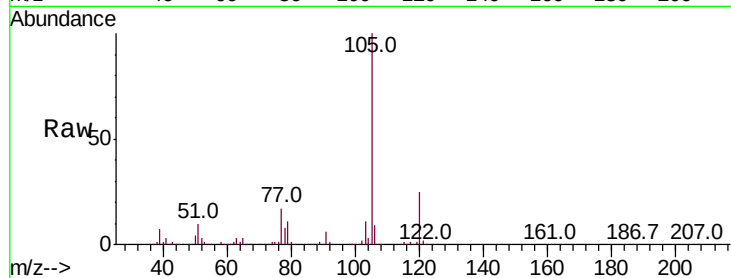
#73
Isopropylbenzene
Concen: 50.869 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1033722
Ion Ratio Lower Upper
105 100
120 25.2 12.9 38.6

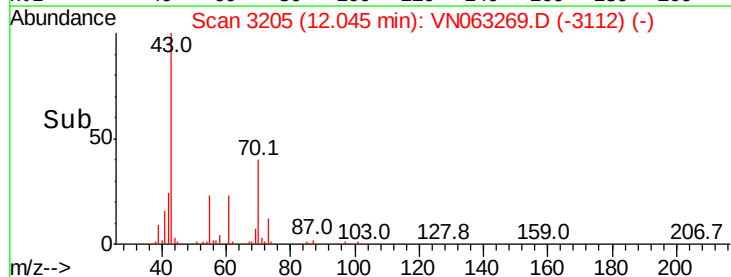
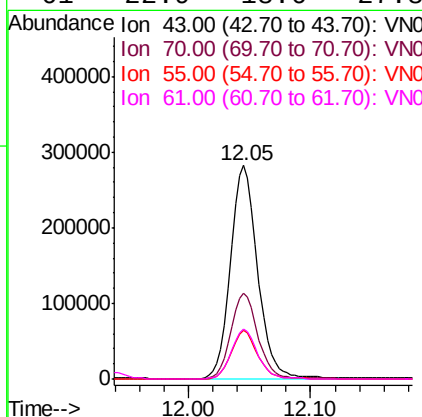
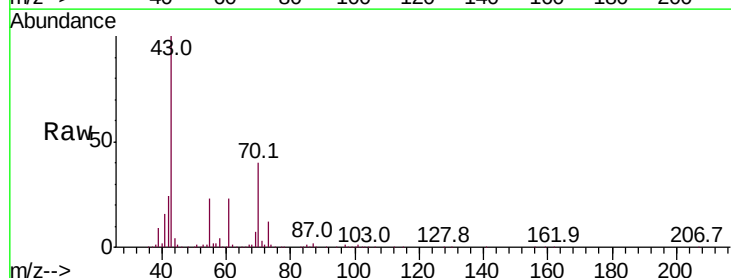
Manual Integrations
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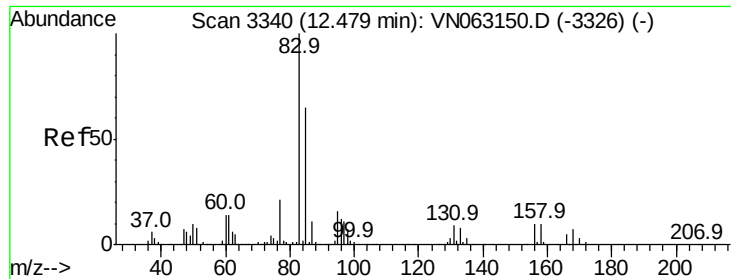
MMDadoda
9/8/2020 1:32:27 PM



#74
N-ethyl acetate
Concen: 52.098 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion: 43 Resp: 438527
Ion Ratio Lower Upper
43 100
70 39.7 32.1 48.1
55 22.1 17.4 26.0
61 22.9 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.327 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 294852

Ion Ratio Lower Upper

83 100

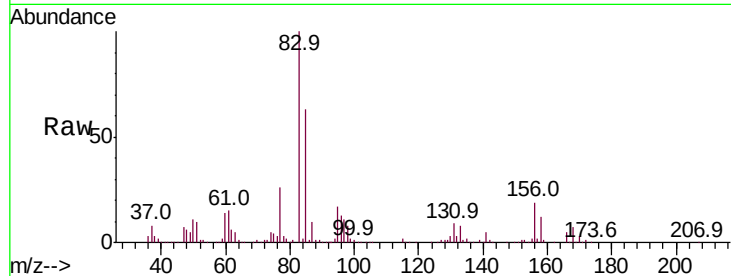
131 9.2 4.7 14.0

85 63.7 32.7 98.1

Manual Integrations
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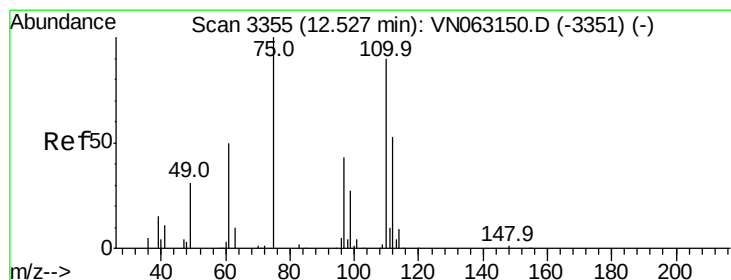
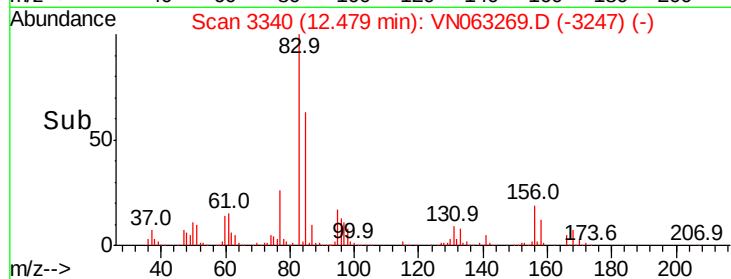
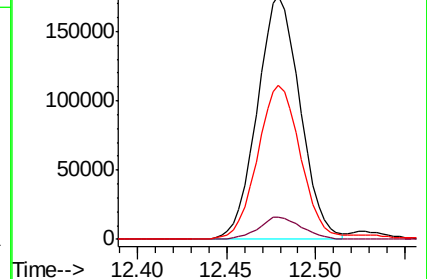
9/8/2020 1:32:27 PM



Abundance Ion 82.90 (82.60 to 83.60): VN063269.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063269.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063269.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 48.197 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063269.D

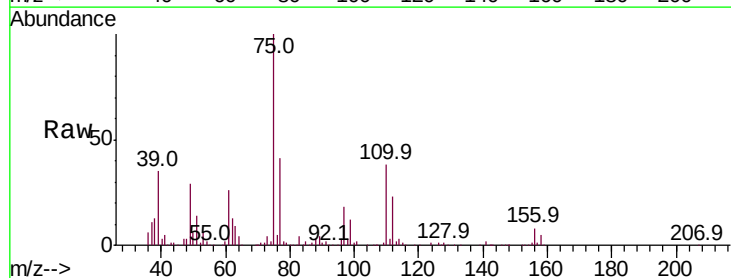
Acq: 5 Sep 2020 5:11

Tgt Ion: 75 Resp: 250899

Ion Ratio Lower Upper

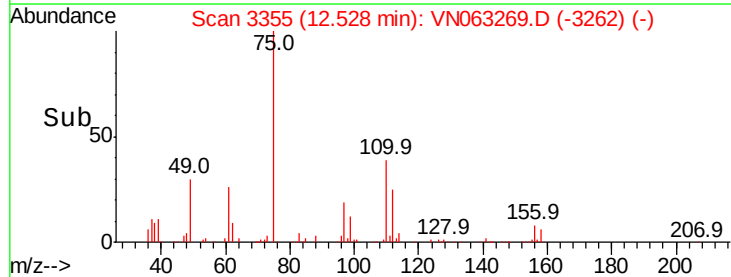
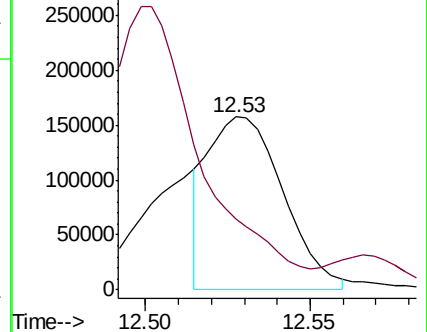
75 100

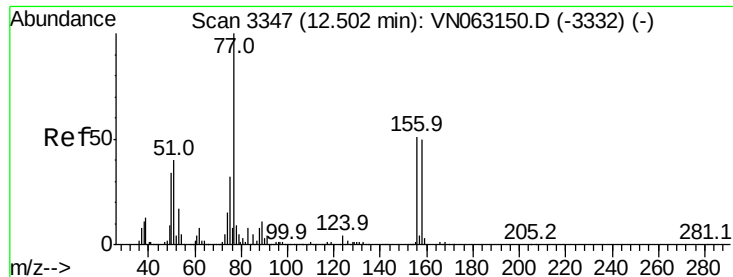
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063269.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063269.D (-3262) (-)





#77

Bromobenzene

Concen: 57.012 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 262019

Ion Ratio Lower Upper

156 100

77 199.9 116.1 348.3

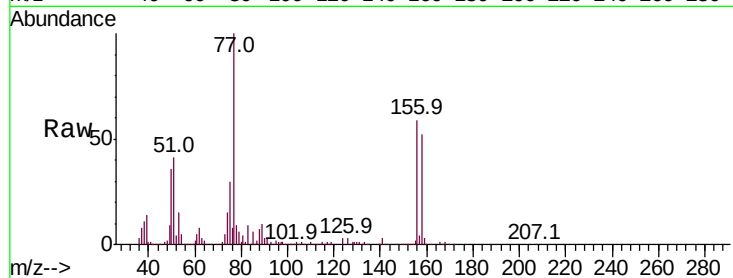
158 88.4 48.8 146.4

Manual Integrations

APPROVED

MMDadoda

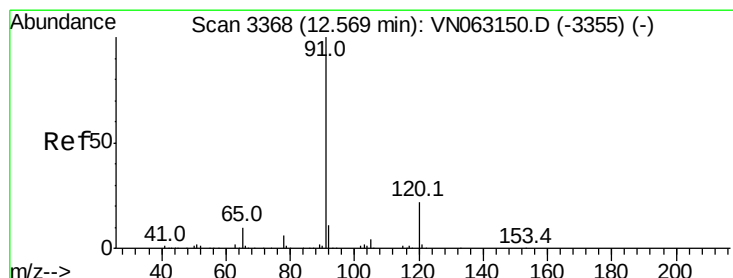
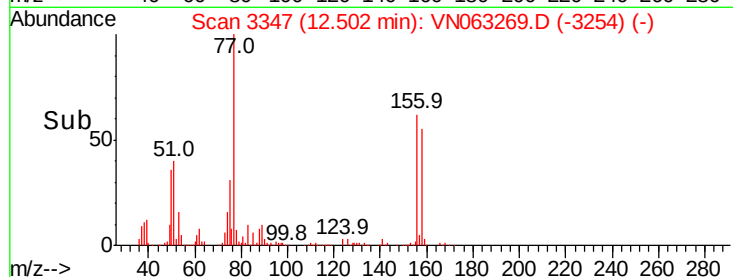
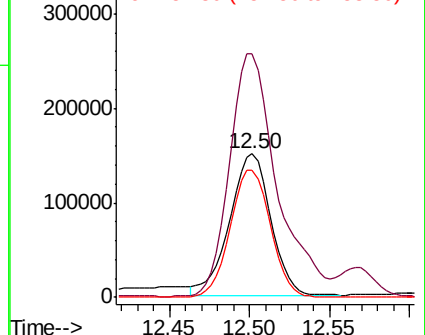
9/8/2020 1:32:27 PM



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: 51.422 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063269.D

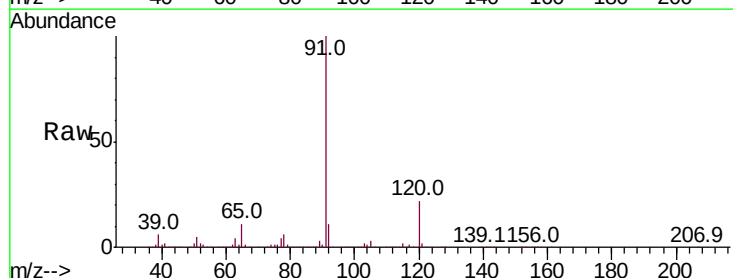
Acq: 5 Sep 2020 5:11

Tgt Ion: 91 Resp: 1209190

Ion Ratio Lower Upper

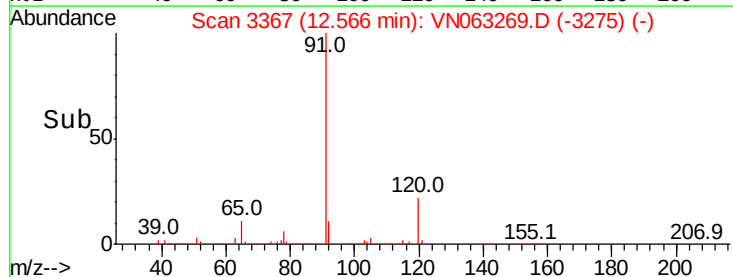
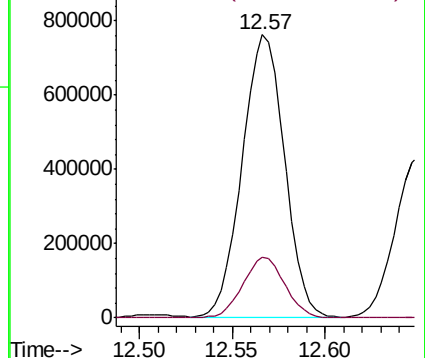
91 100

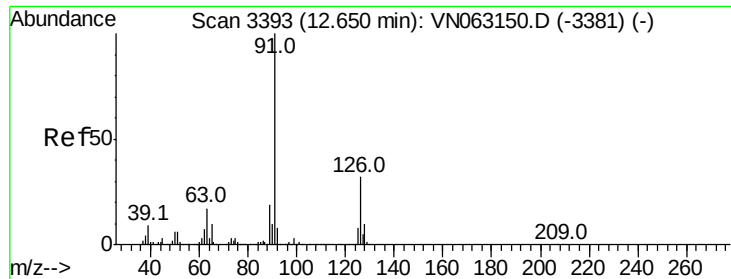
120 21.4 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.830 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 715901

Ion Ratio Lower Upper

91 100

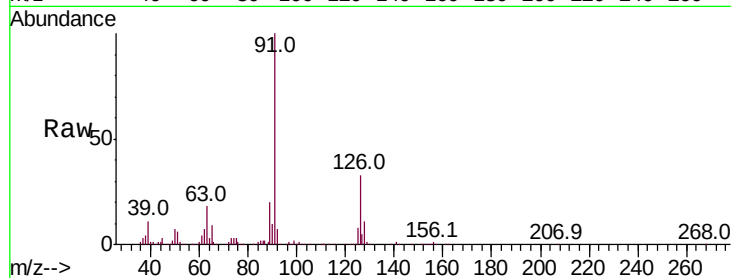
126 32.5 16.1 48.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3381) (-)

Ion 125.90 (125.60 to 126.60): VN063150.D (-3381) (-)

800000

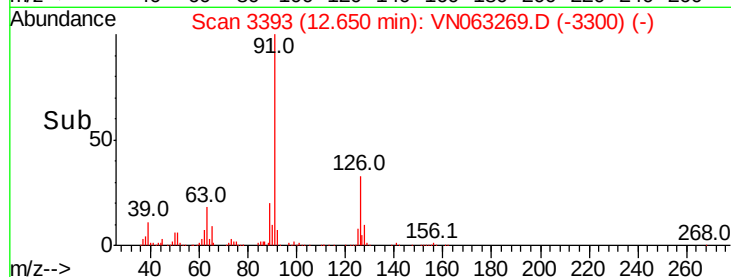
600000

400000

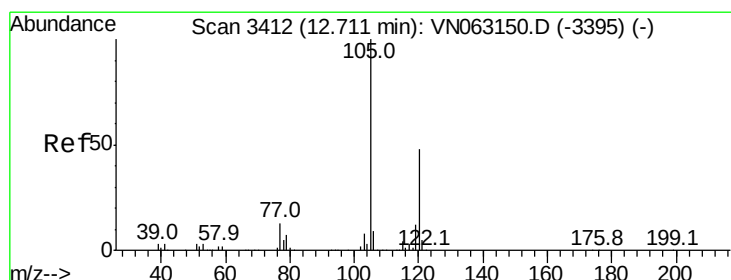
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.448 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063269.D

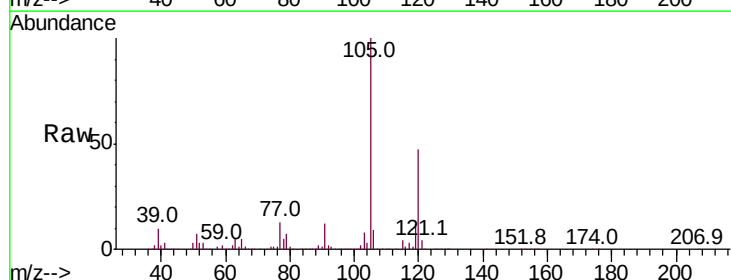
Acq: 5 Sep 2020 5:11

Tgt Ion:105 Resp: 853317

Ion Ratio Lower Upper

105 100

120 47.5 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN063150.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN063150.D (-3395) (-)

600000

500000

400000

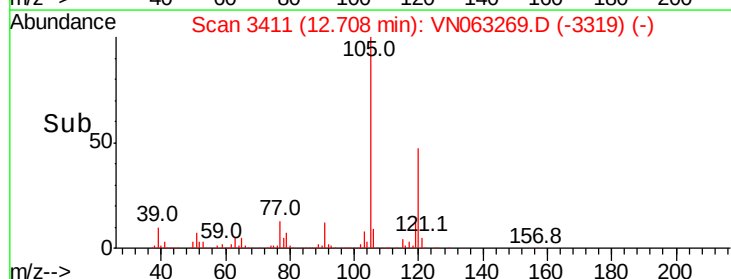
300000

200000

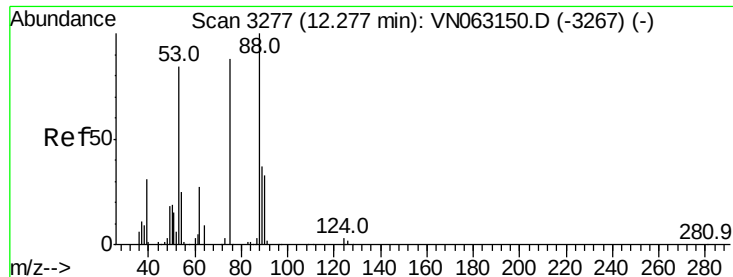
100000

0

12.65 12.70 12.75 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 39.265 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 84569

Ion Ratio Lower Upper

75 100

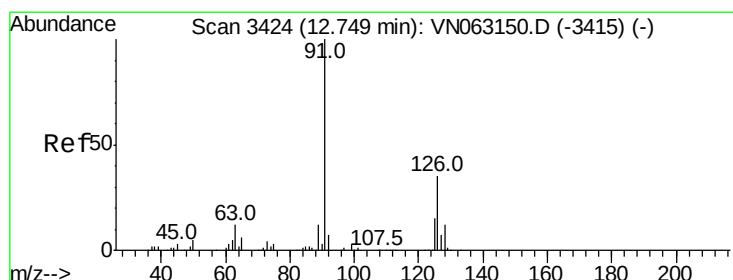
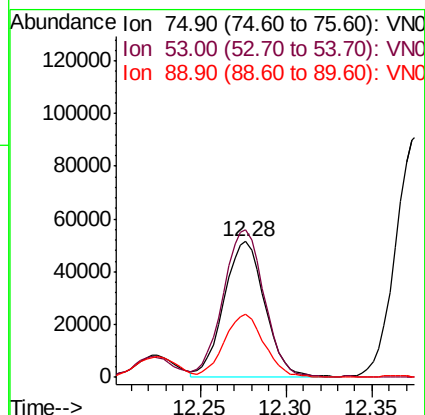
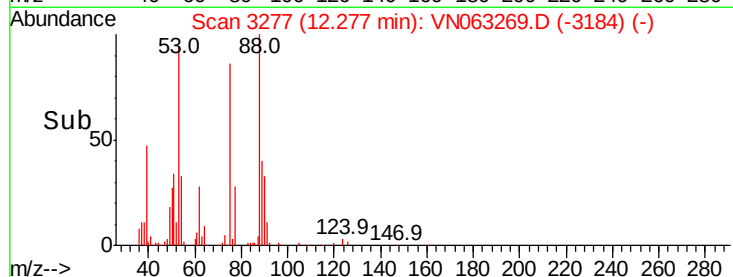
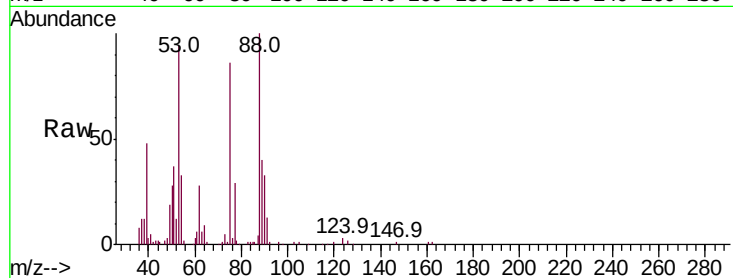
53 109.2 78.7 118.1

89 45.6 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.035 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063269.D

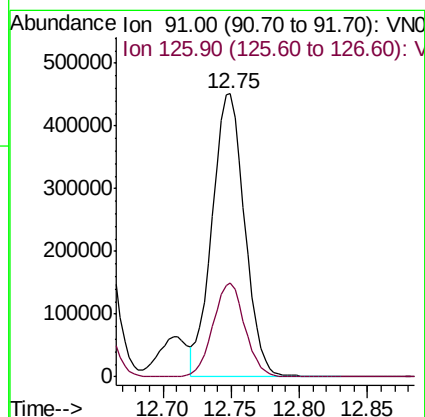
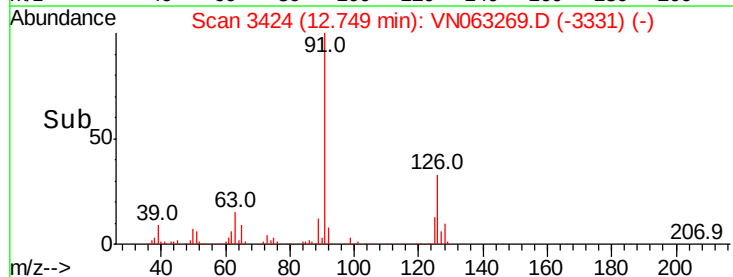
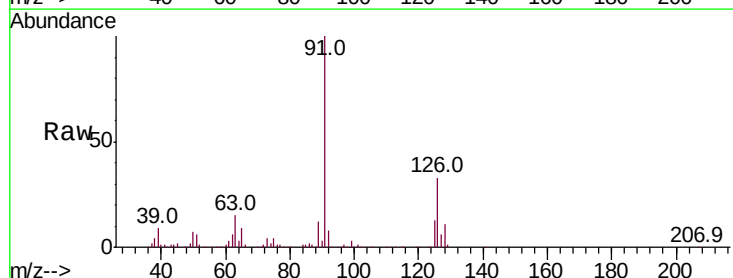
Acq: 5 Sep 2020 5:11

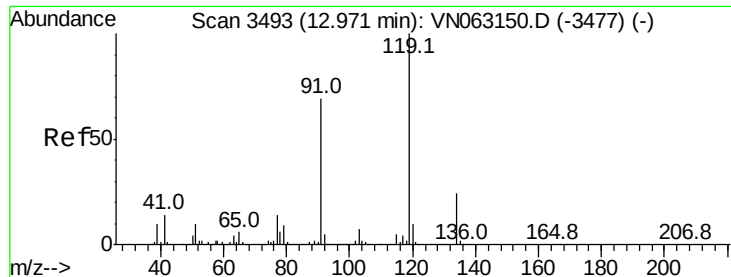
Tgt Ion: 91 Resp: 745470

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.5





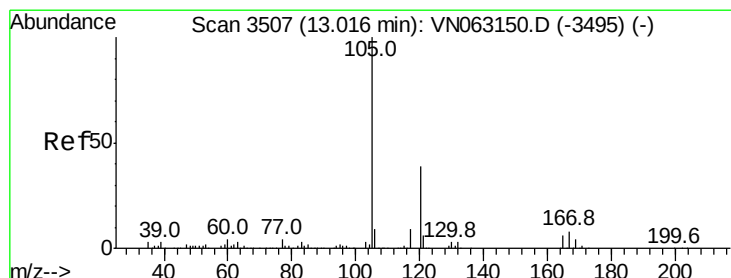
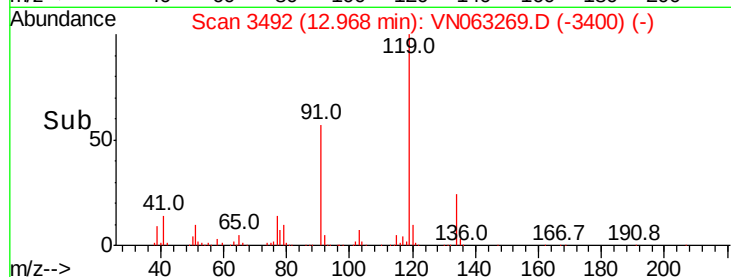
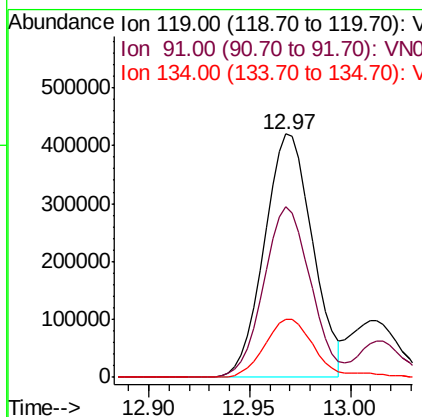
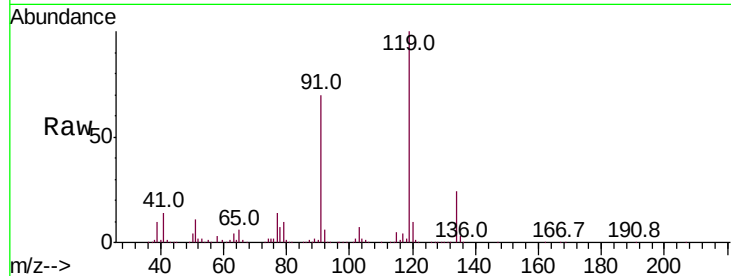
#83
 tert-Butylbenzene
 Concen: 48.064 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.7	101.0
134	25.2	12.0	36.0

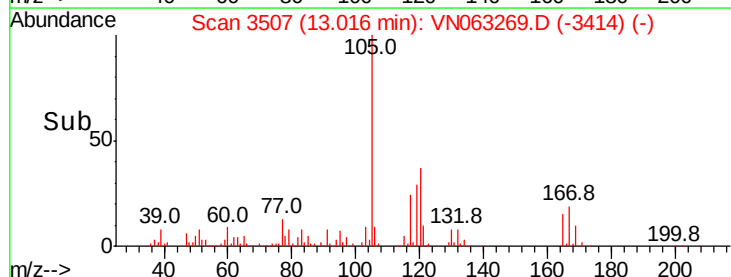
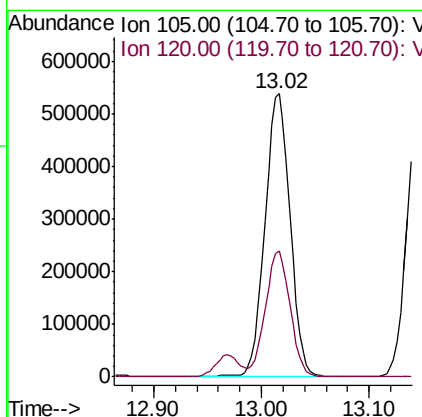
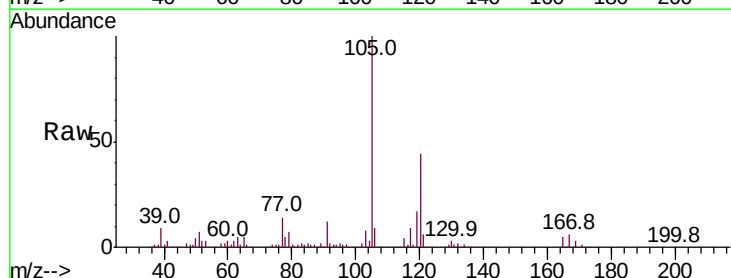
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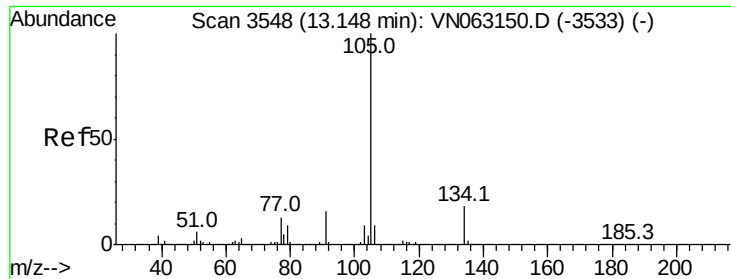
MMDadoda
 9/8/2020 1:32:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.048 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.6	67.7





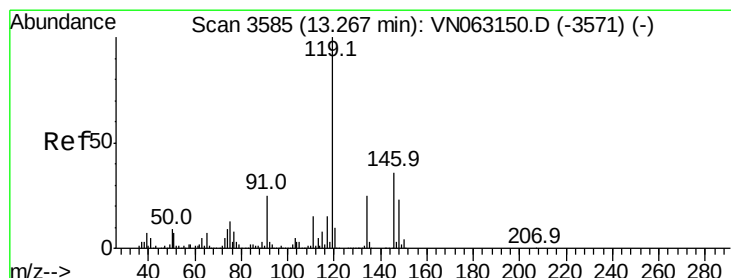
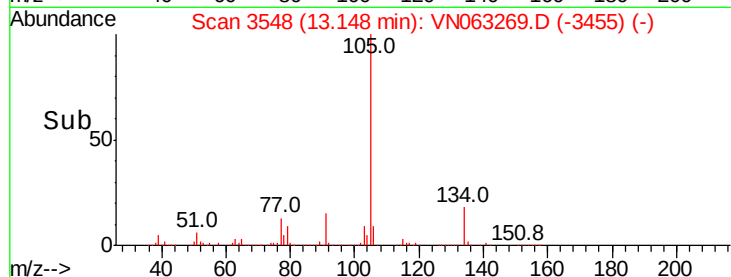
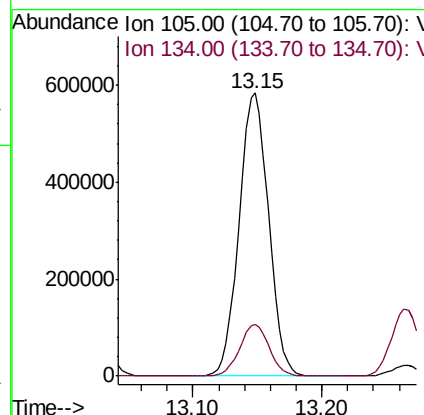
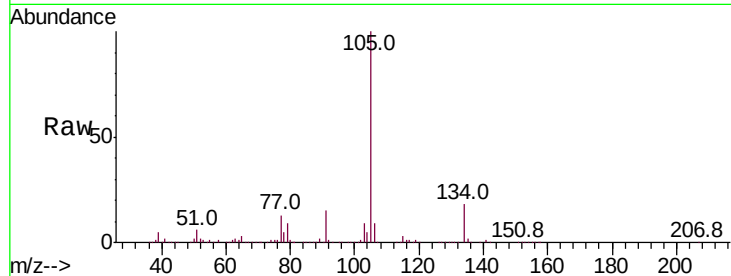
#85
 sec-Butylbenzene
 Concen: 48.956 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	925565		
134	18.4	9.4	28.3	

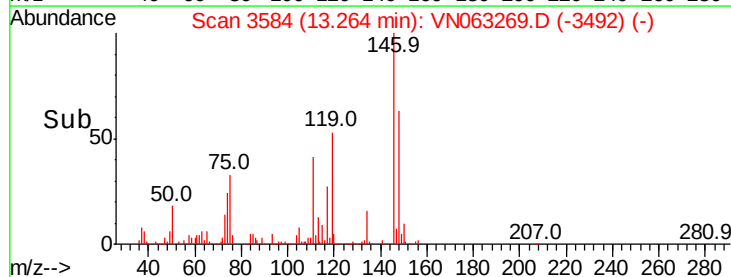
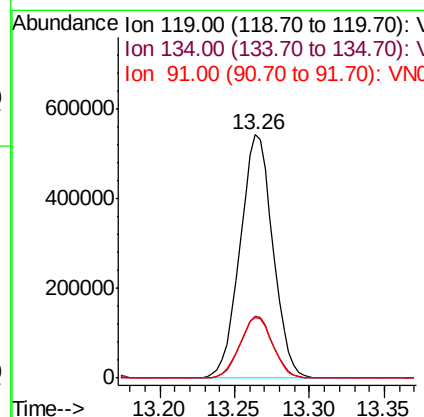
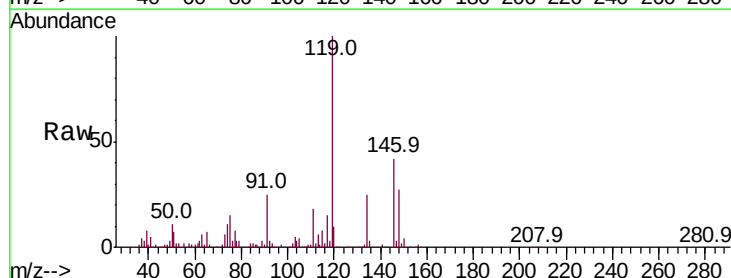
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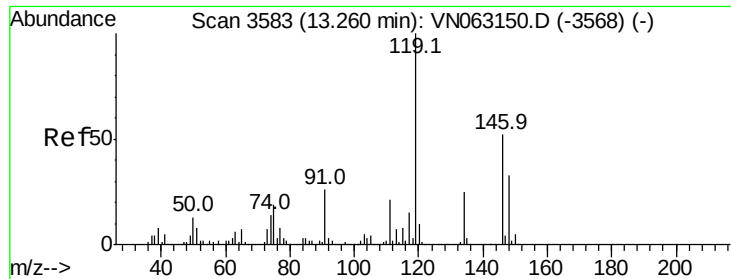
MMDadoda
 9/8/2020 1:32:27 PM



#86
 p-Isopropyltoluene
 Concen: 49.213 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	826052		
134	25.4	12.4	37.4	
91	25.4	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 52.150 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063269.D

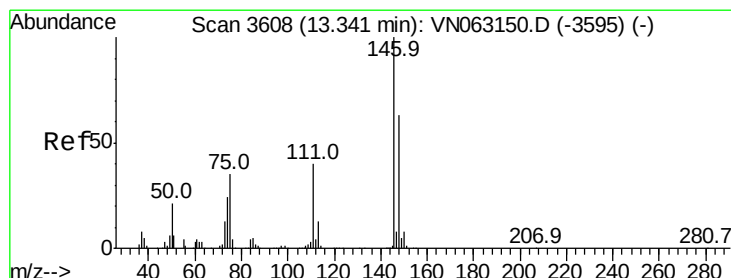
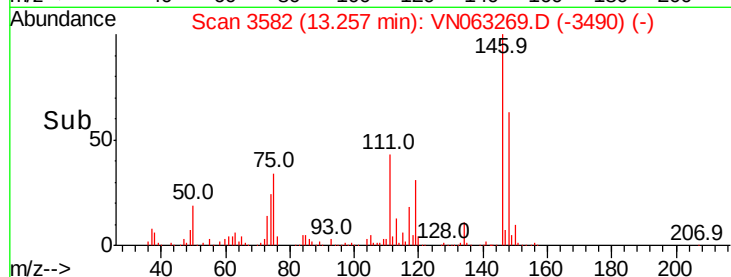
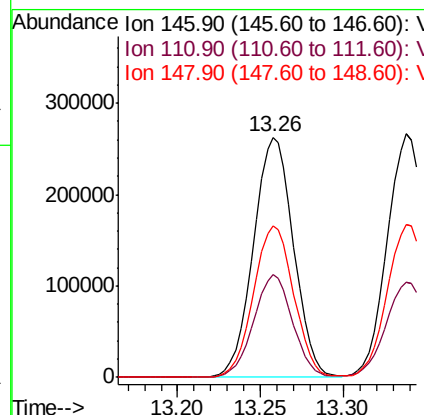
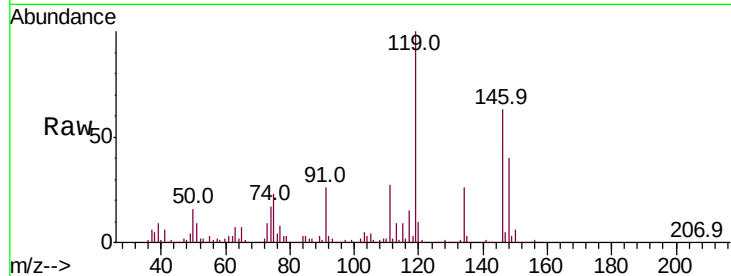
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	440292		
111	41.6	21.3	63.7	
148	63.4	31.9	95.9	

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#88

1,4-Dichlorobenzene

Concen: 50.440 ug/l

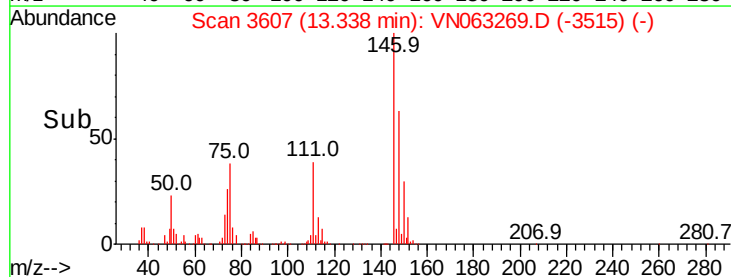
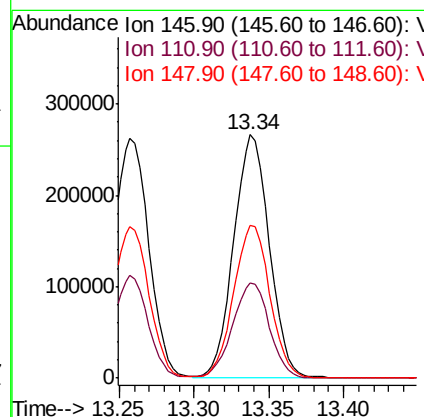
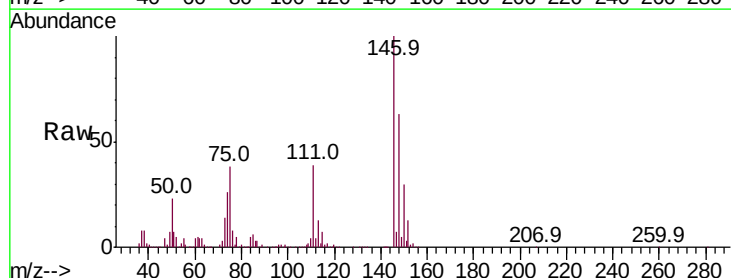
RT: 13.34 min Scan# 3607

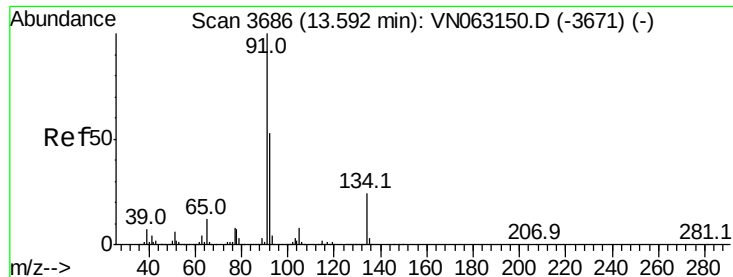
Delta R.T. -0.00 min

Lab File: VN063269.D

Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	440958		
111	40.3	20.5	61.5	
148	63.9	31.9	95.7	





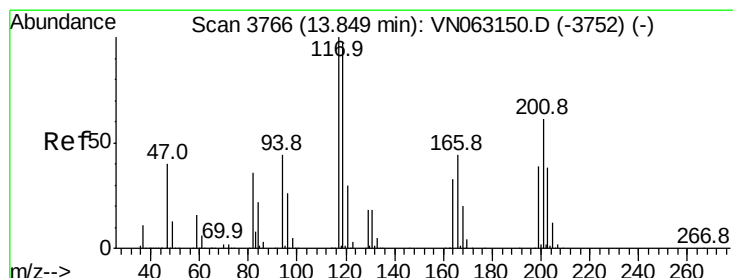
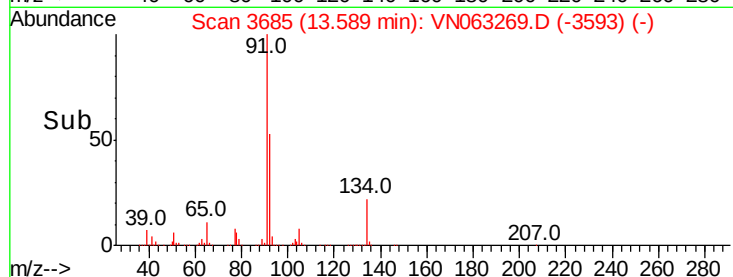
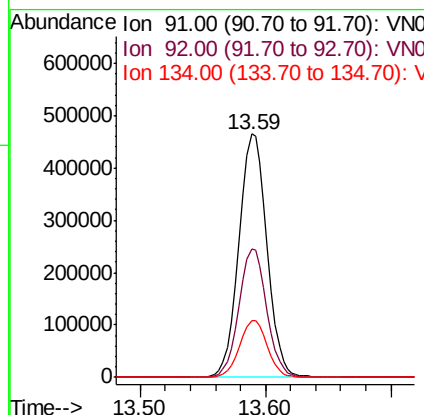
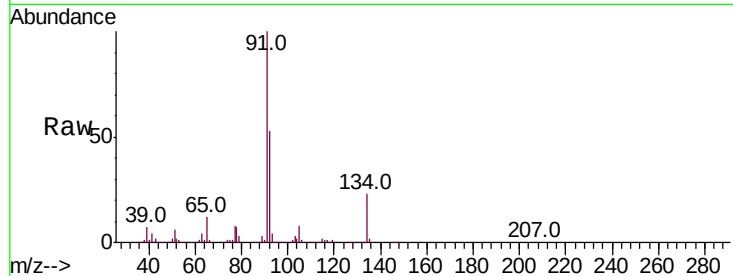
#89
n-Butylbenzene
Concen: 46.554 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.3	78.8
134	23.2	12.0	36.0

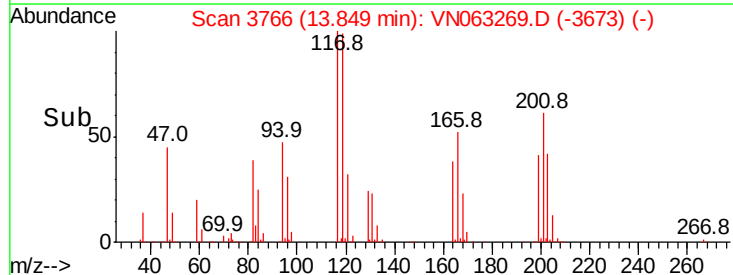
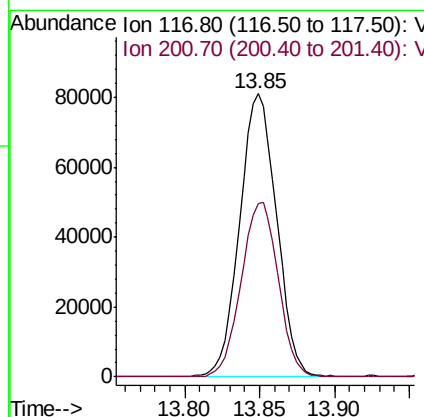
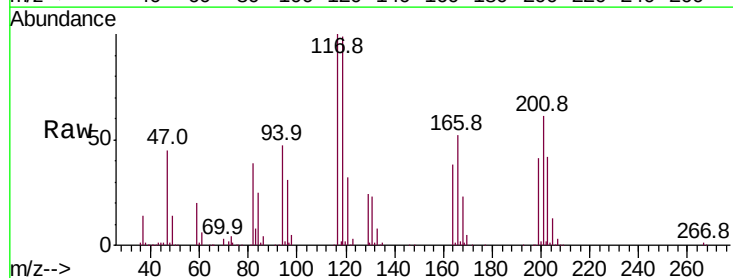
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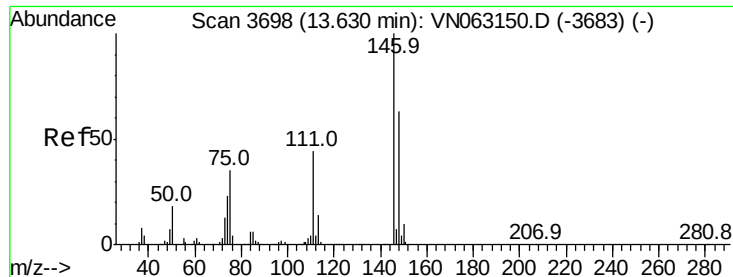
MMDadoda
9/8/2020 1:32:27 PM



#90
Hexachloroethane
Concen: 44.515 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	62.1	30.6	92.0





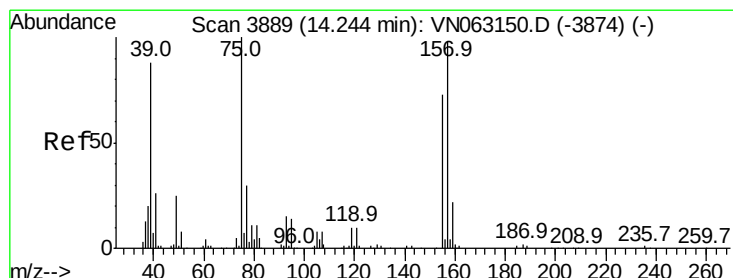
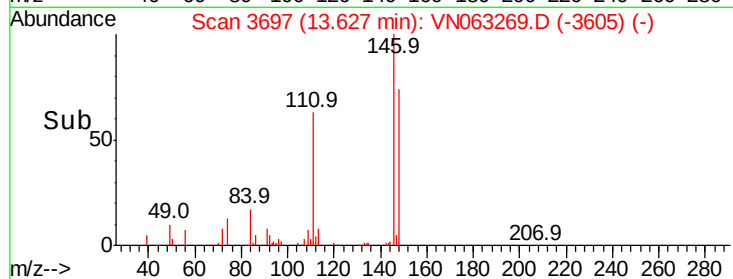
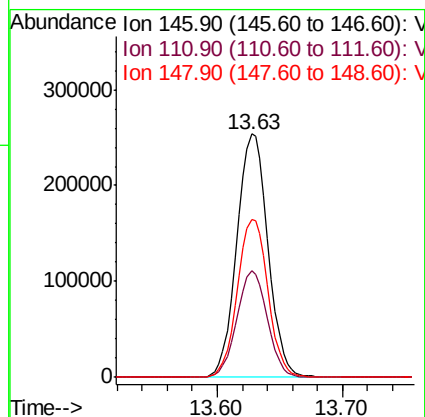
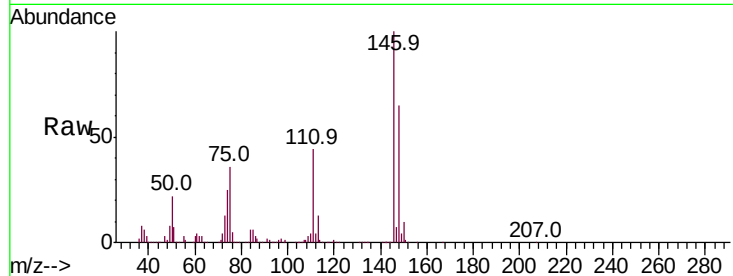
#91
 1,2-Dichlorobenzene
 Concen: 53.478 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	146	Resp:	438151
Ion Ratio	Lower	Upper	
146	100		
111	42.7	22.0	66.0
148	63.8	31.6	95.0

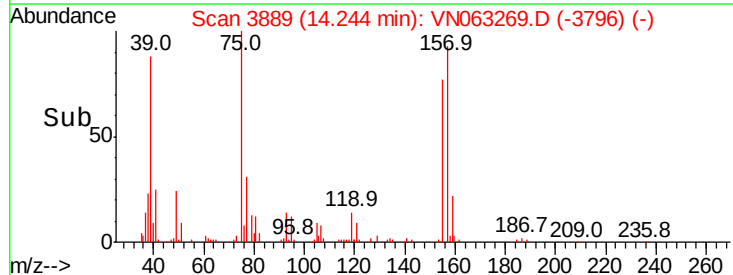
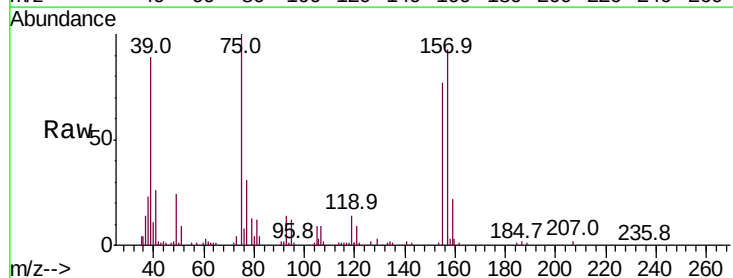
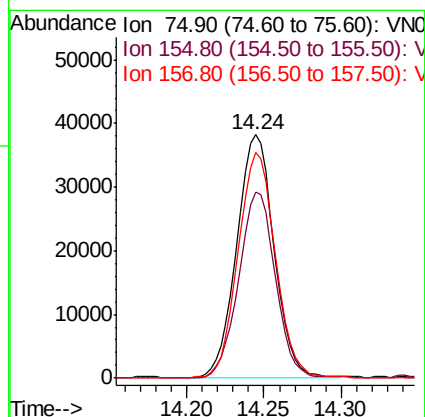
Manual Integrations
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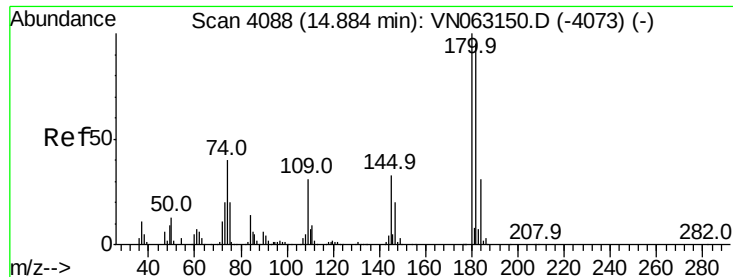
MMDadoda
 9/8/2020 1:32:27 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.873 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Tgt Ion:	75	Resp:	64239
Ion Ratio	Lower	Upper	
75	100		
155	75.3	36.1	108.5
157	92.6	48.4	145.0





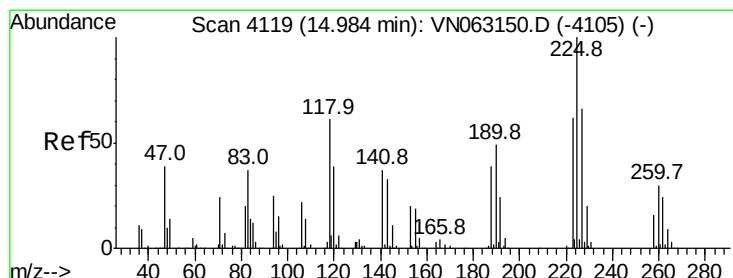
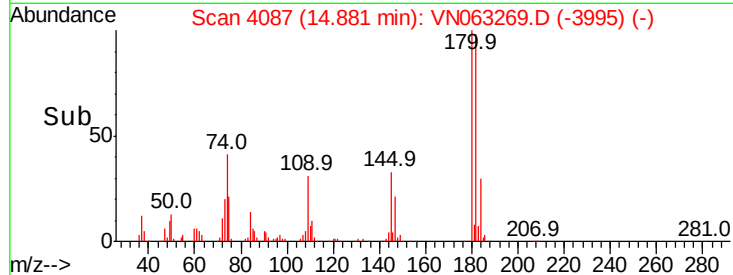
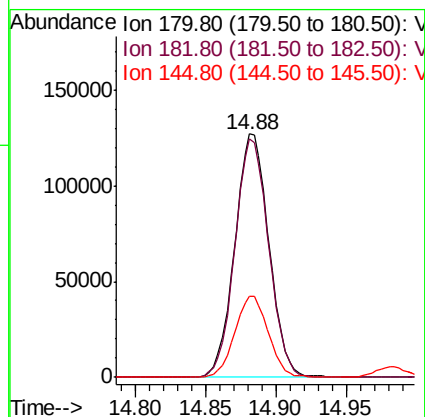
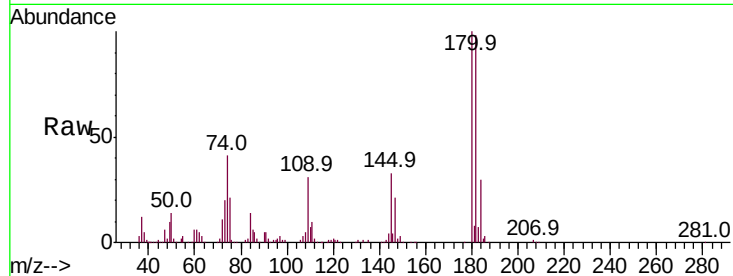
#93
 1,2,4-Trichlorobenzene
 Concen: 47.053 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.2	47.5	142.5	
145	32.6	16.6	49.8	

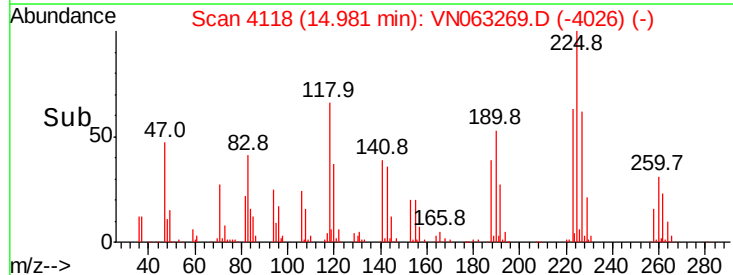
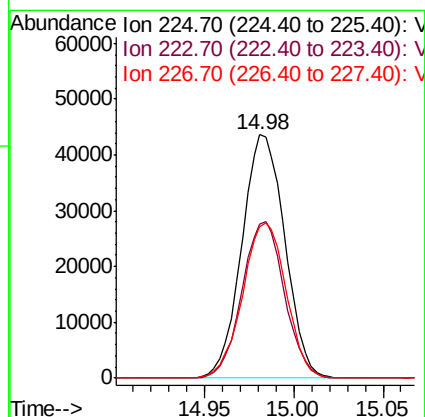
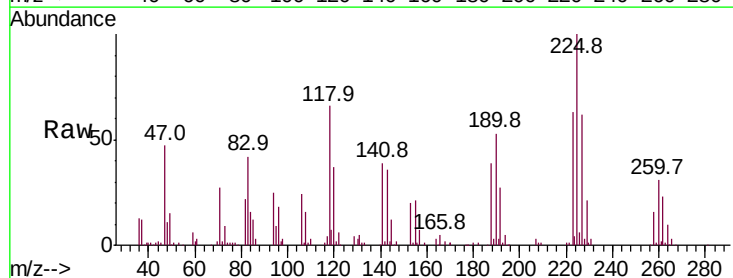
Manual Integrations
 APPROVED

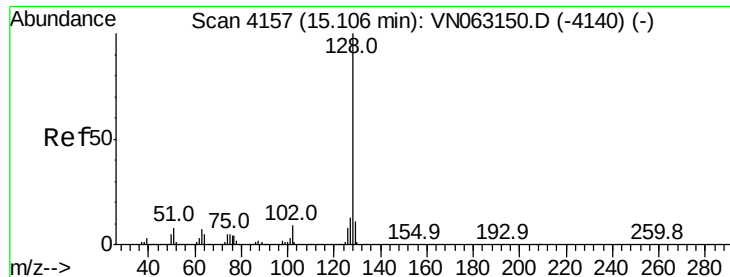
MMDadoda
 9/8/2020 1:32:27 PM



#94
 Hexachlorobutadiene
 Concen: 42.891 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063269.D
 Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	30.9	92.7	
227	64.5	32.9	98.7	





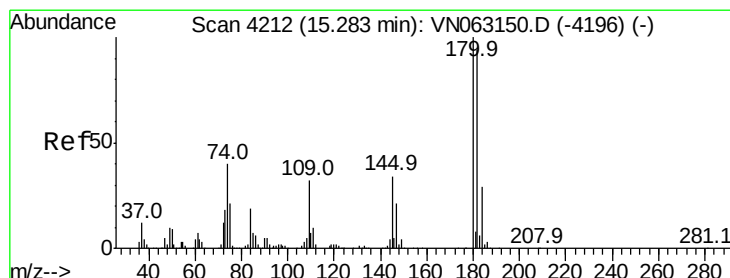
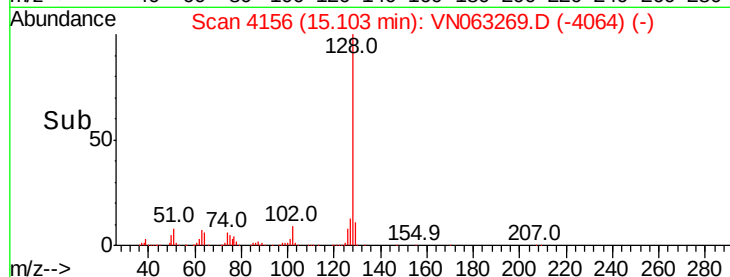
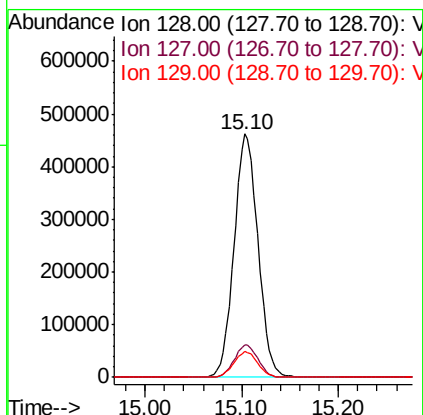
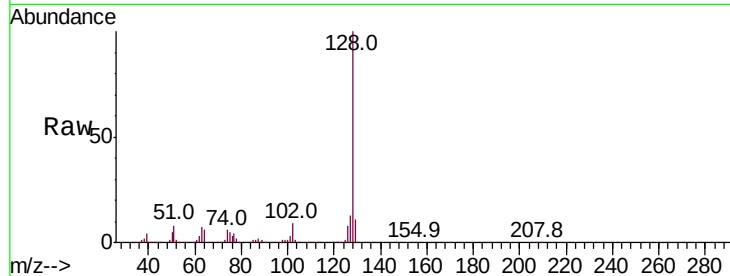
#95
Naphthalene
Concen: 52.051 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	794892		
127	13.2	10.5	15.7	
129	10.6	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
9/8/2020 1:32:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.847 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063269.D
Acq: 5 Sep 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	208914		
182	96.6	47.5	142.5	
145	34.0	17.3	52.0	

