

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063358.D
 Acq On : 16 Sep 2020 11:08
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:07:48 PM

Quant Time: Sep 16 12:31:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 12:15:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	273937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	417943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	185594	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	24024	5.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.06%	
35) Dibromofluoromethane	7.54	113	17422	5.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.38%	
50) Toluene-d8	10.06	98	62914	5.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.72%	
62) 4-Bromofluorobenzene	12.37	95	21397	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	16266	5.986	ug/l	99
3) Chloromethane	2.03	50	21301	5.342	ug/l	99
4) Vinyl Chloride	2.16	62	18293	4.930	ug/l	90
5) Bromomethane	2.53	94	10756	4.291	ug/l	99
6) Chloroethane	2.67	64	11381	4.767	ug/l	96
7) Trichlorofluoromethane	2.98	101	27626	4.835	ug/l	100
8) Diethyl Ether	3.37	74	10437	5.016	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.71	101	16660	5.522	ug/l #	85
10) Methyl Iodide	3.90	142	17063	4.388	ug/l	99
11) Tert butyl alcohol	4.74	59	16314	28.056	ug/l	99
12) 1,1-Dichloroethene	3.70	96	15119	4.995	ug/l	97
13) Acrolein	3.56	56	1554m	5.826	ug/l	
14) Allyl chloride	4.27	41	32567	5.252	ug/l #	89
15) Acrylonitrile	4.93	53	40809	26.000	ug/l	99
16) Acetone	3.78	43	35377	23.760	ug/l	91
17) Carbon Disulfide	4.01	76	44099	4.713	ug/l	99
18) Methyl Acetate	4.28	43	21359	5.686	ug/l	93
19) Methyl tert-butyl Ether	4.99	73	58134	5.367	ug/l	95
20) Methylene Chloride	4.51	84	20082	5.267	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	17664	5.224	ug/l #	77
22) Diisopropyl ether	5.90	45	64164	5.293	ug/l	91
23) Vinyl Acetate	5.84	43	261698	27.276	ug/l	99
24) 1,1-Dichloroethane	5.79	63	34809	5.257	ug/l	99
25) 2-Butanone	6.79	43	56394	25.532	ug/l	94
26) 2,2-Dichloropropane	6.78	77	31247	5.399	ug/l #	75
27) cis-1,2-Dichloroethene	6.78	96	19005	4.824	ug/l	89
28) Bromochloromethane	7.14	49	17924	5.637	ug/l	97
29) Tetrahydrofuran	7.17	42	40579	28.204	ug/l	99
30) Chloroform	7.32	83	34560	5.232	ug/l	98
31) Cyclohexane	7.61	56	39490	6.493	ug/l #	85
32) 1,1,1-Trichloroethane	7.52	97	30488	5.276	ug/l	96
36) 1,1-Dichloropropene	7.75	75	26346	5.374	ug/l	96
37) Ethyl Acetate	6.88	43	25671	5.304	ug/l #	92
38) Carbon Tetrachloride	7.73	117	26452	5.450	ug/l	99

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 ALS Vial : 3 Sample Multiplier: 1

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	28346	5.305	ug/l	98
40) Benzene	8.00	78	74424	5.324	ug/l	94
41) Methacrylonitrile	7.12	41	9695	4.401	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	30025	5.605	ug/l	99
43) Isopropyl Acetate	8.13	43	42653	5.196	ug/l	95
44) Trichloroethene	8.80	130	17403	4.833	ug/l	95
45) 1,2-Dichloropropane	9.08	63	19760	5.149	ug/l	95
46) Dibromomethane	9.17	93	14138	5.651	ug/l	95
47) Bromodichloromethane	9.37	83	27410	5.276	ug/l	99
48) Methyl methacrylate	9.16	41	21921	5.557	ug/l	98
49) 1,4-Dioxane	9.17	88	6214	102.246	ug/l	89
51) 4-Methyl-2-Pentanone	9.95	43	130319	28.839	ug/l	96
52) Toluene	10.12	92	43565	5.092	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	28888	5.092	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	31271	5.125	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	17327	5.171	ug/l	89
56) Ethyl methacrylate	10.40	69	26453	5.196	ug/l	98
57) 1,3-Dichloropropane	10.68	76	32627	5.569	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	70526	25.761	ug/l	96
59) 2-Hexanone	10.72	43	88279	26.507	ug/l	100
60) Dibromochloromethane	10.87	129	18732	5.084	ug/l	98
61) 1,2-Dibromoethane	10.97	107	17958	5.135	ug/l	100
64) Tetrachloroethene	10.60	164	15117	4.539	ug/l	96
65) Chlorobenzene	11.40	112	45180	5.009	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	16599	5.042	ug/l	95
67) Ethyl Benzene	11.48	91	86119	5.302	ug/l	99
68) m/p-Xylenes	11.59	106	60076	9.989	ug/l	100
69) o-Xylene	11.92	106	28363	4.927	ug/l	98
70) Styrene	11.94	104	46105	4.802	ug/l	99
71) Bromoform	12.10	173	11138	4.828	ug/l #	97
73) Isopropylbenzene	12.22	105	78380	5.236	ug/l	100
74) N-amyl acetate	12.05	43	35300	5.685	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	23817	5.493	ug/l	95
76) 1,2,3-Trichloropropane	12.53	75	24116m	5.775	ug/l	
77) Bromobenzene	12.50	156	16917	4.922	ug/l	95
78) n-propylbenzene	12.57	91	89968	5.299	ug/l	99
79) 2-Chlorotoluene	12.65	91	51211	4.906	ug/l	94
80) 1,3,5-Trimethylbenzene	12.71	105	64974	5.225	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	7835	5.092	ug/l	95
82) 4-Chlorotoluene	12.75	91	55619	5.069	ug/l	99
83) tert-Butylbenzene	12.97	119	52723	5.014	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	65454	5.219	ug/l	100
85) sec-Butylbenzene	13.14	105	71913	5.363	ug/l	99
86) p-Isopropyltoluene	13.26	119	61330	5.000	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	32024	5.093	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	32049	4.897	ug/l	91
89) n-Butylbenzene	13.59	91	55204	4.978	ug/l	99
90) Hexachloroethane	13.85	117	11538	5.644	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	30806	4.949	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	5587	5.628	ug/l	99

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

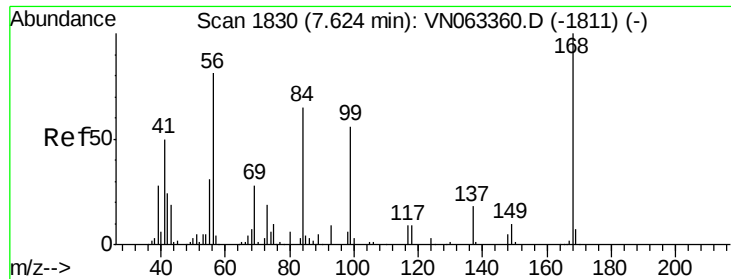
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	17923	4.886	ug/l	98
94) Hexachlorobutadiene	14.98	225	8110	5.166	ug/l	98
95) Naphthalene	15.10	128	58184	4.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	16964	4.727	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 273937

Ion Ratio Lower Upper

168 100

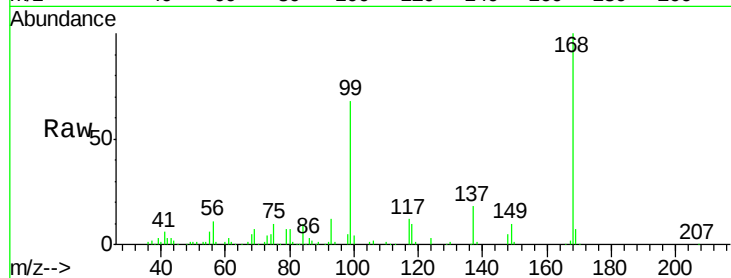
99 67.6 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

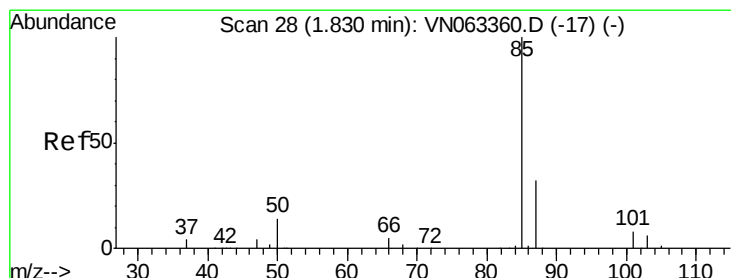
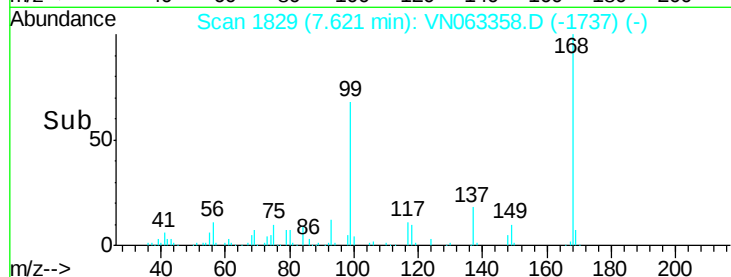
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 5.986 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063358.D

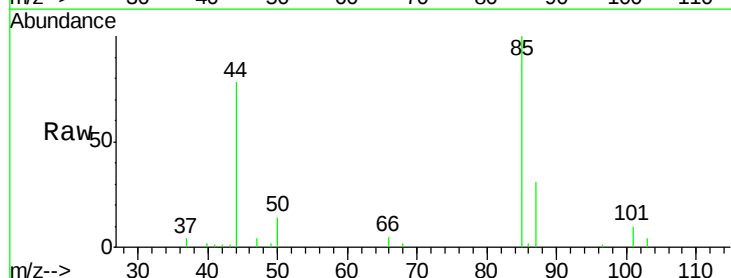
Acq: 16 Sep 2020 11:08

Tgt Ion: 85 Resp: 16266

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

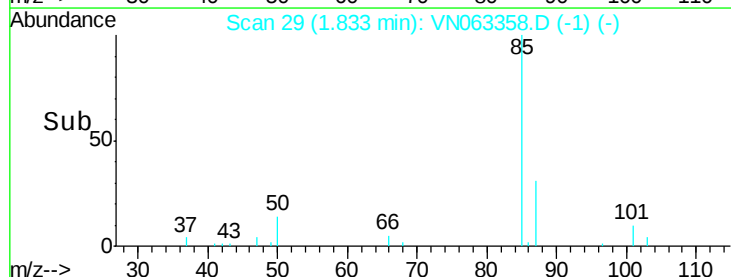
1.83

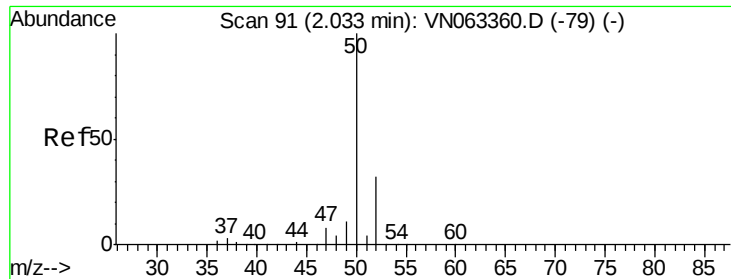
10000

5000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 5.342 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 21301

Ion Ratio Lower Upper

50 100

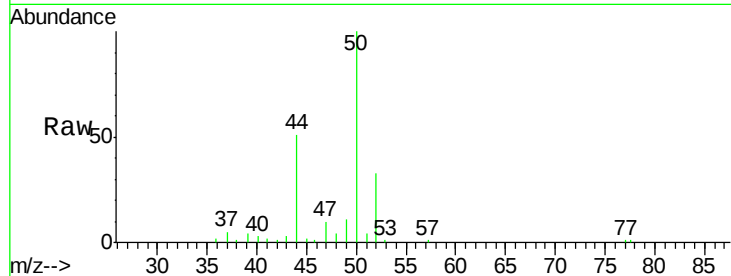
52 33.1 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

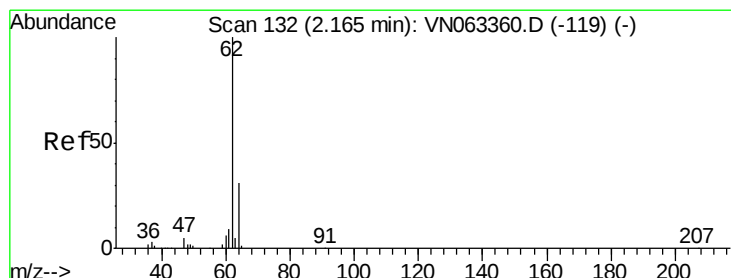
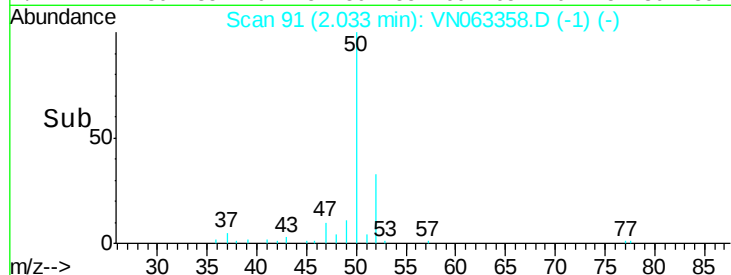
15000

10000

5000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 4.930 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN063358.D

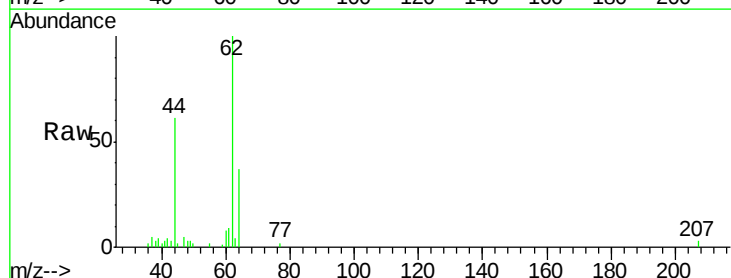
Acq: 16 Sep 2020 11:08

Tgt Ion: 62 Resp: 18293

Ion Ratio Lower Upper

62 100

64 36.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

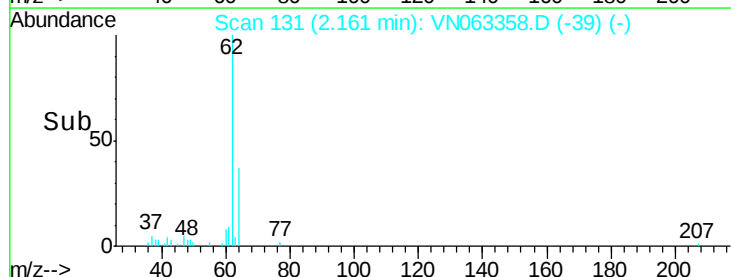
2.16

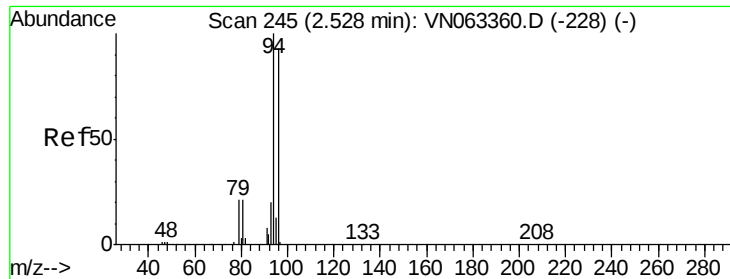
10000

5000

0

Time--> 2.10 2.15 2.20





#5

Bromomethane

Concen: 4.291 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 94 Resp: 10756

Ion Ratio Lower Upper

94 100

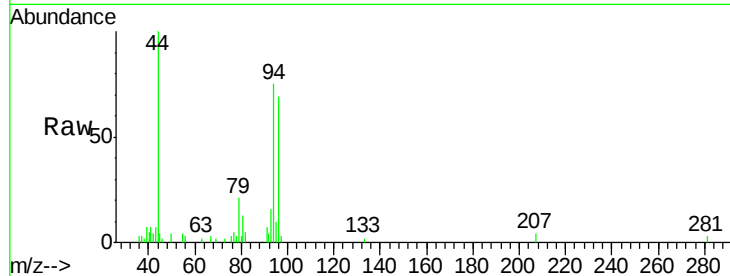
96 91.7 74.5 111.7

Manual Integrations

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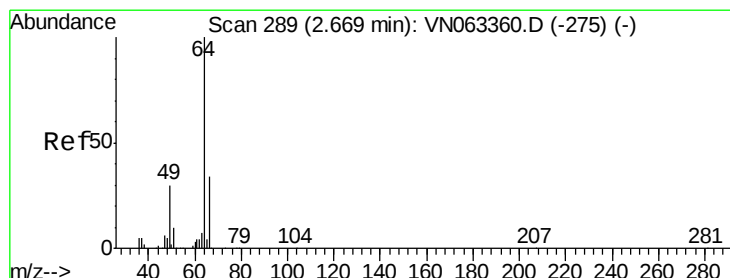
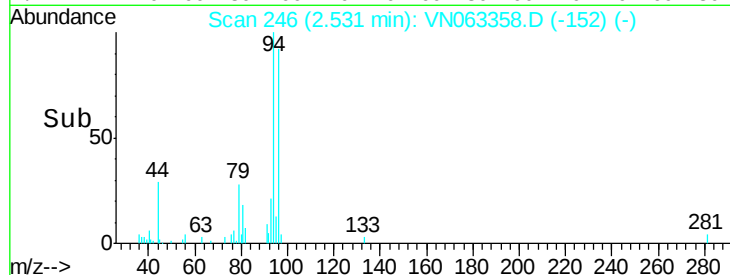
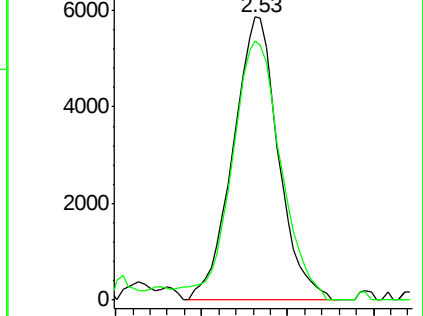
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.767 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063358.D

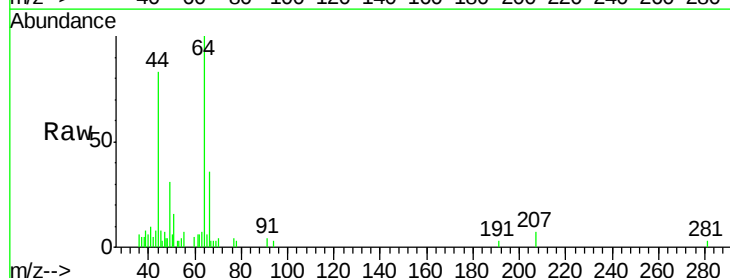
Acq: 16 Sep 2020 11:08

Tgt Ion: 64 Resp: 11381

Ion Ratio Lower Upper

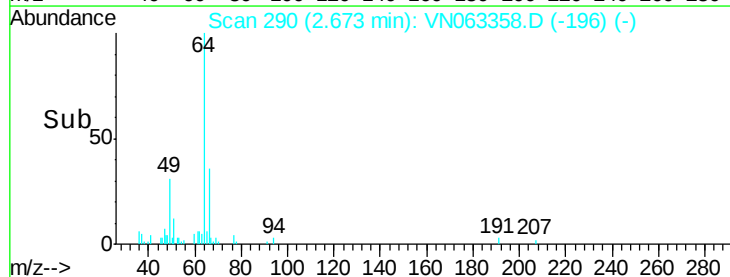
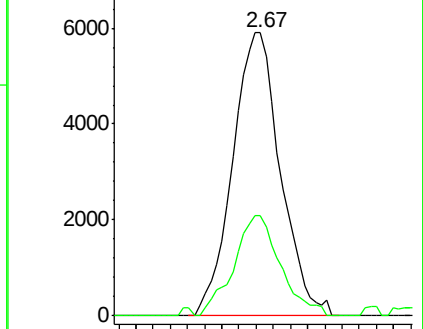
64 100

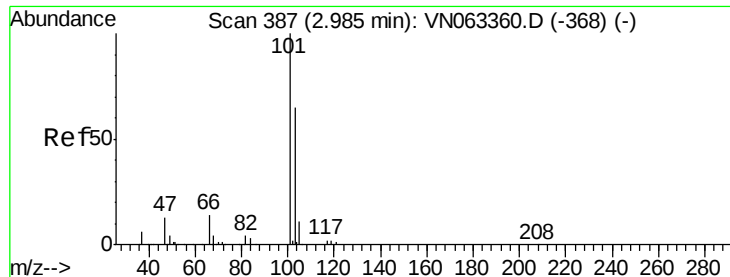
66 35.6 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

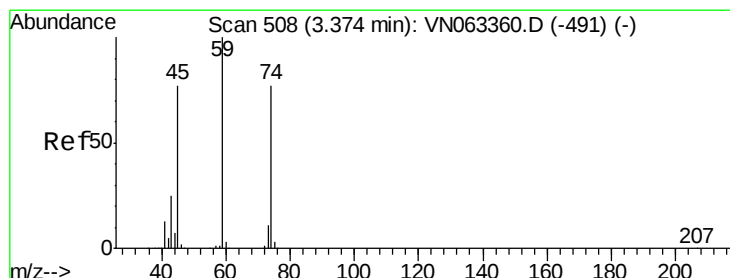
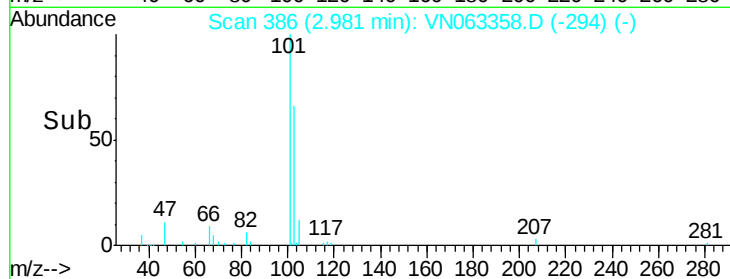
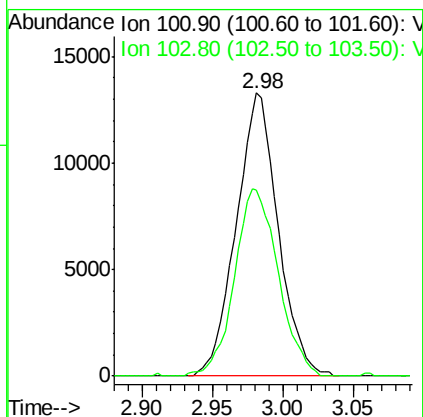
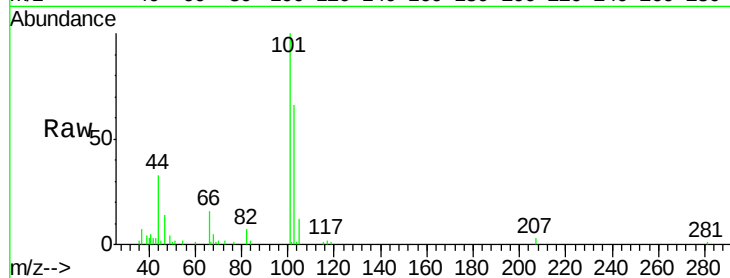
Trichlorofluoromethane
 Concen: 4.835 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.3	78.5

Manual Integrations
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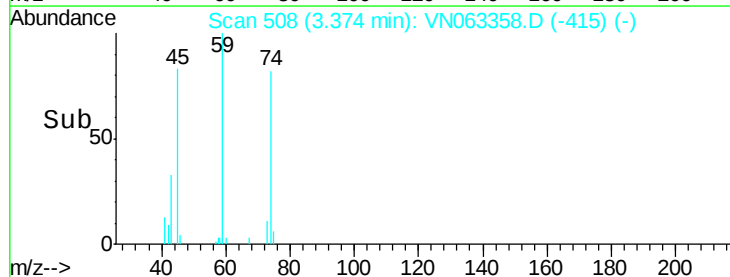
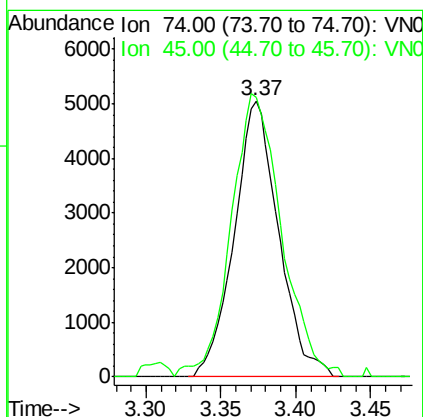
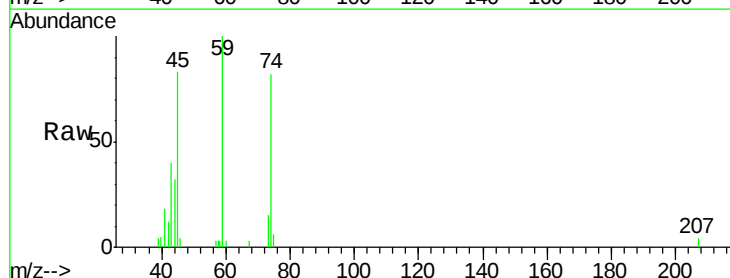
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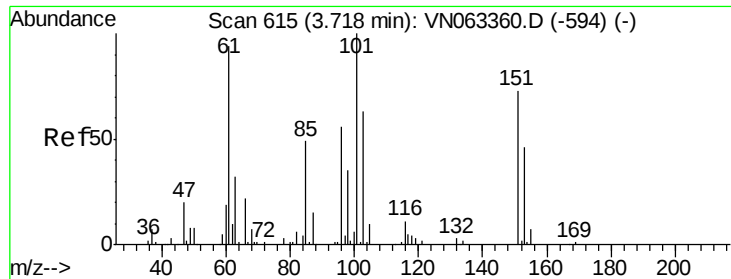


#8

Diethyl Ether
 Concen: 5.016 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.3	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.522 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

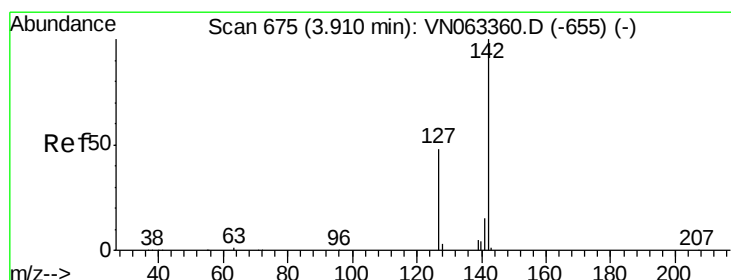
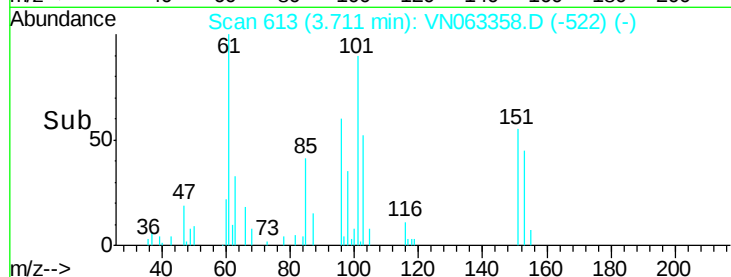
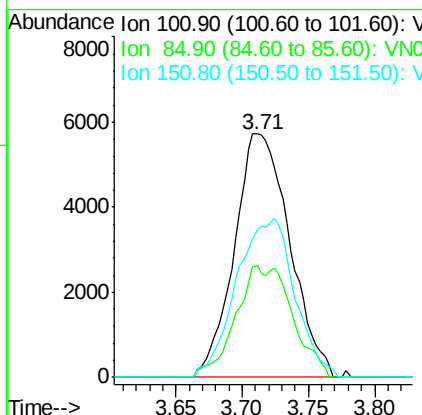
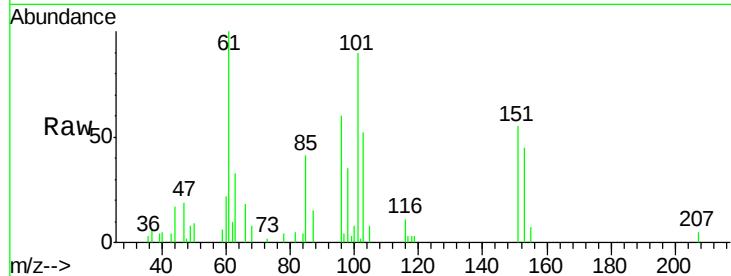
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	16660
Ion Ratio	Lower	Upper	
101	100		
85	25.2	37.7	56.5#
151	68.6	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 4.388 ug/l

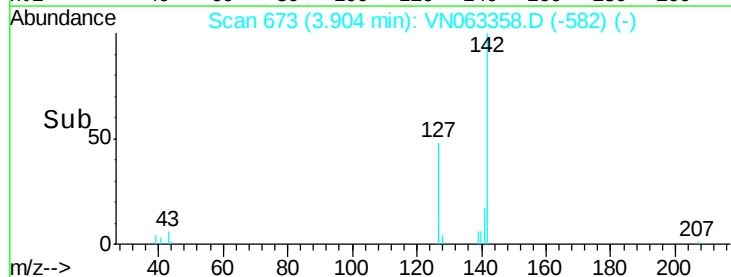
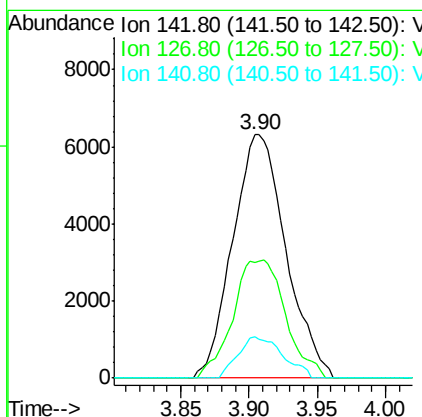
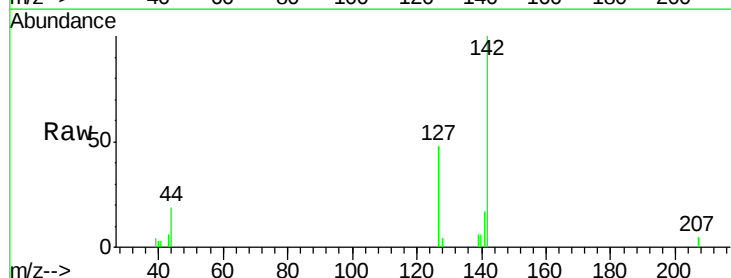
RT: 3.90 min Scan# 673

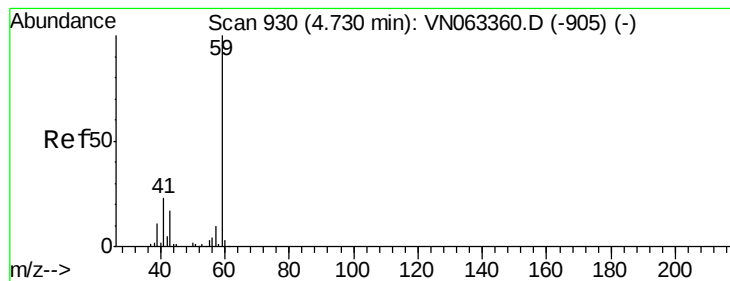
Delta R.T. -0.01 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Tgt Ion:	142	Resp:	17063
Ion Ratio	Lower	Upper	
142	100		
127	47.9	39.0	58.6
141	14.3	11.6	17.4





#11

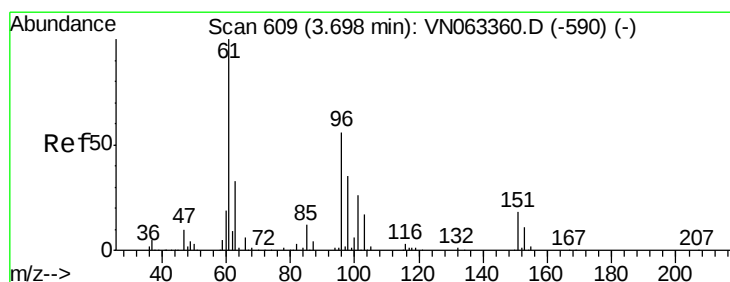
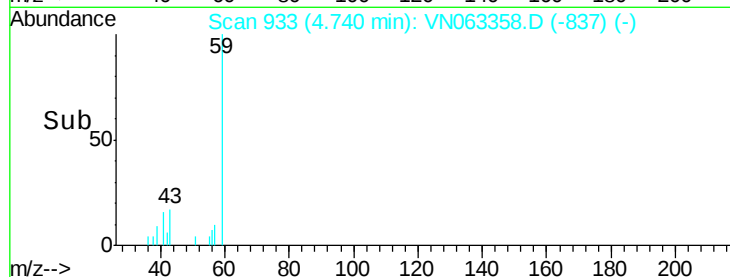
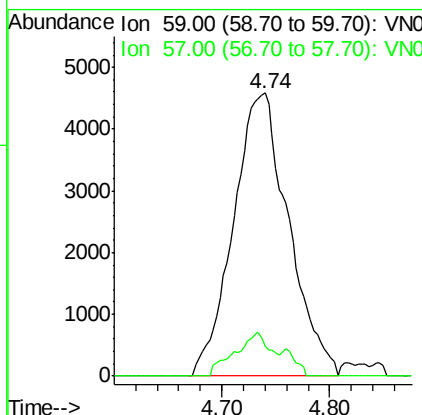
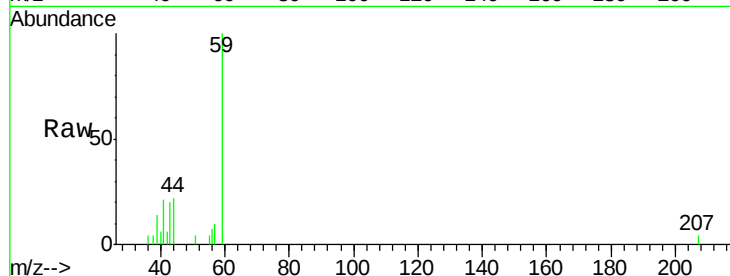
Tert butyl alcohol
Concen: 28.056 ug/l
RT: 4.74 min Scan# 933
Delta R.T. 0.01 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.4	12.6

Manual Integrations
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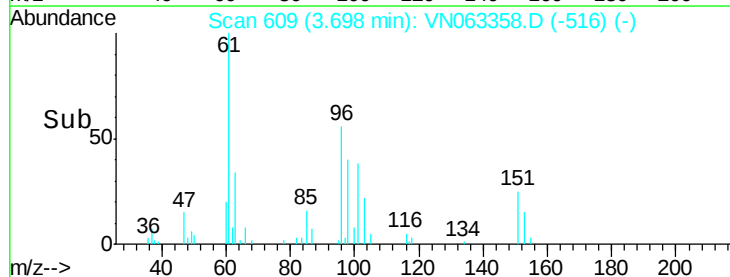
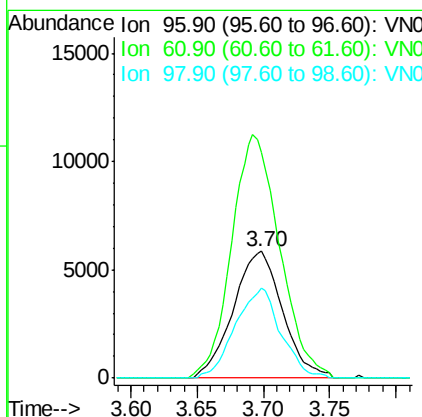
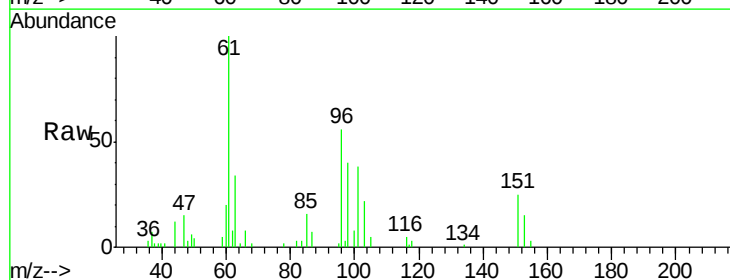
MMDadoda
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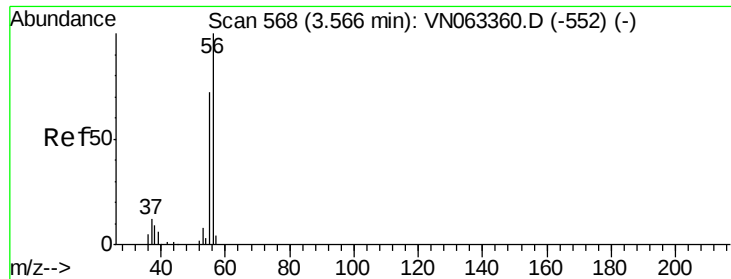


#12

1,1-Dichloroethene
Concen: 4.995 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.8	143.4	215.2
98	71.1	50.6	76.0





#13

Acrolein

Concen: 5.826 ug/l m

RT: 3.56 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 1554

Ion Ratio Lower Upper

56 100

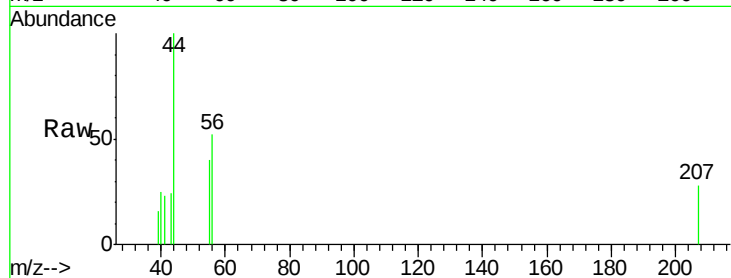
55 39.8 58.2 87.2#

Manual Integrations

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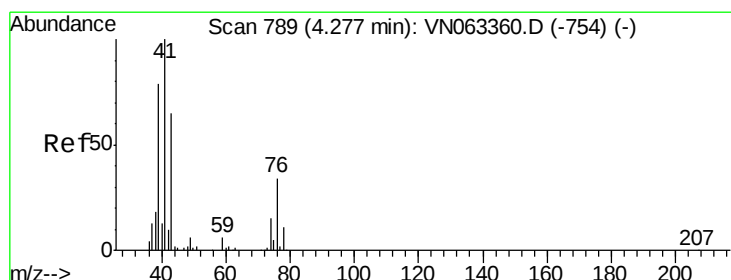
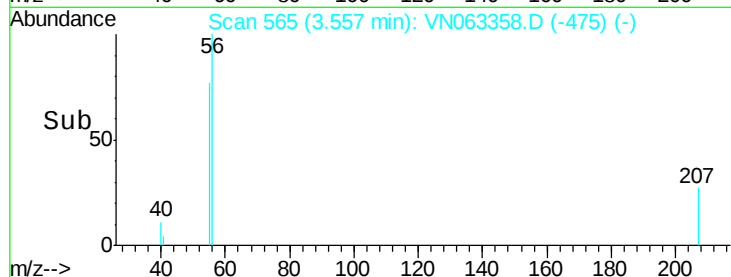
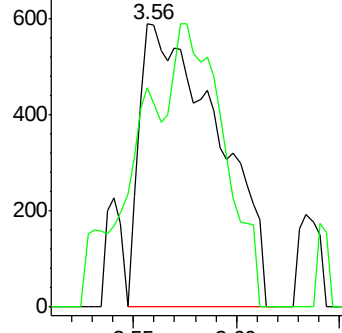
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.252 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.01 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

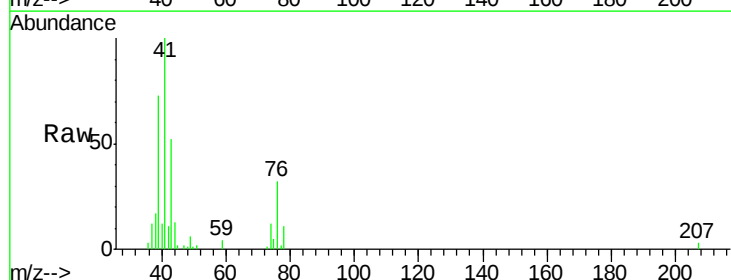
Tgt Ion: 41 Resp: 32567

Ion Ratio Lower Upper

41 100

39 77.7 59.3 88.9

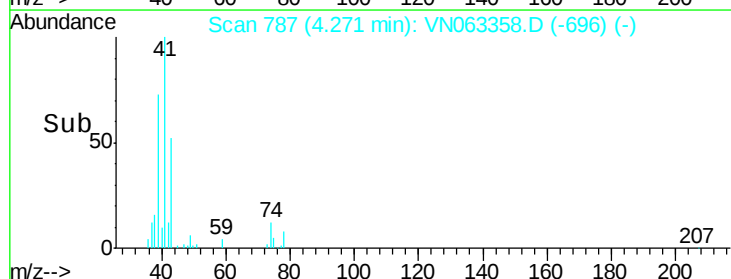
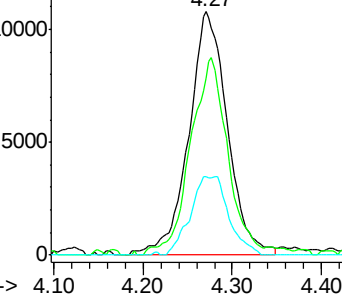
76 16.3 25.3 37.9#

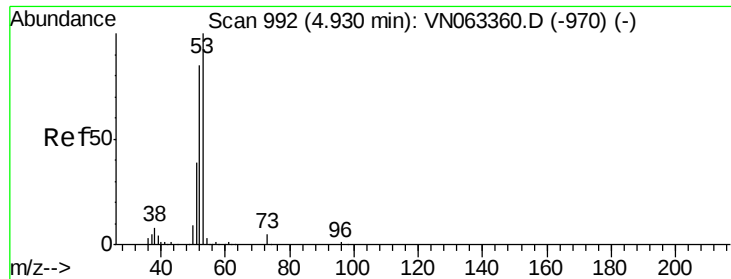


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 26.000 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

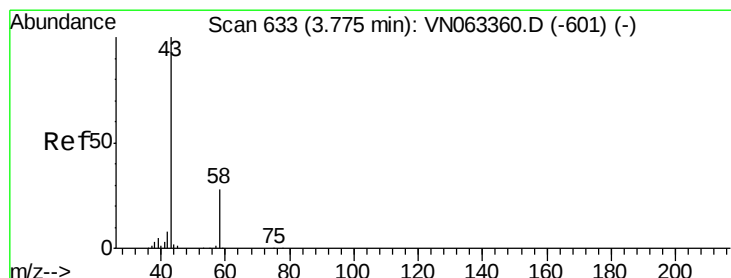
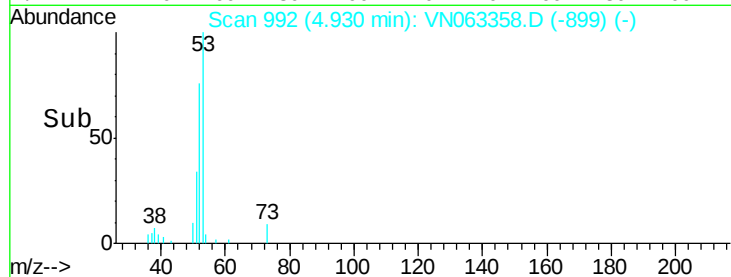
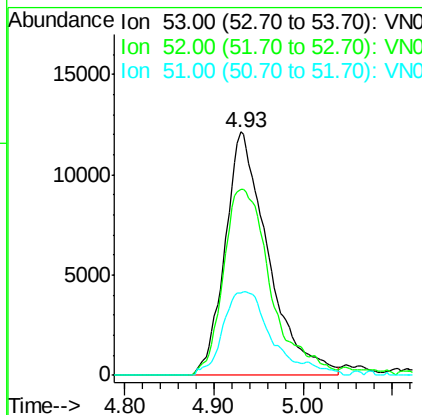
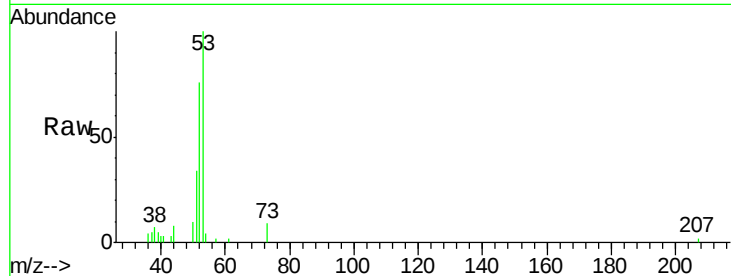
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	40809
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.4	99.6
51	36.9	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 23.760 ug/l

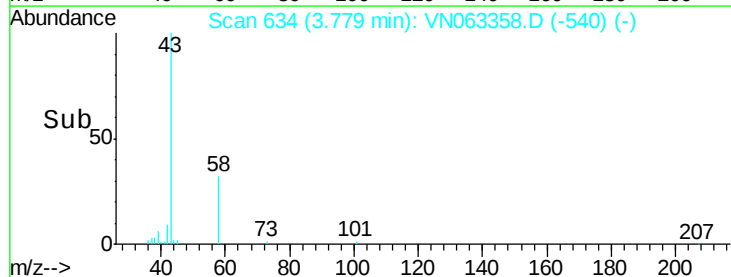
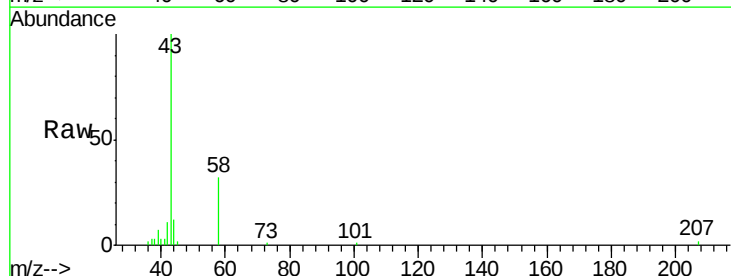
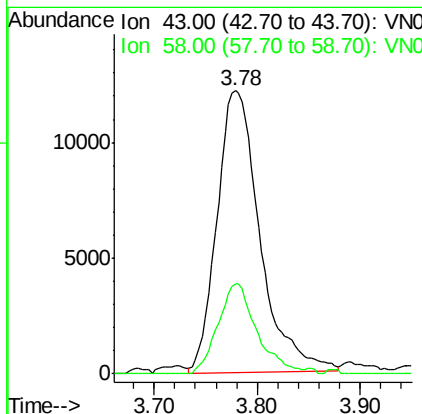
RT: 3.78 min Scan# 634

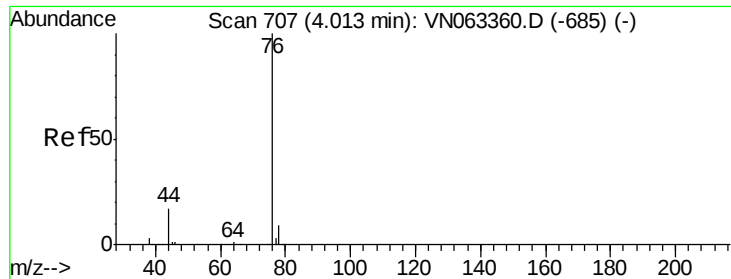
Delta R.T. 0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Tgt Ion:	43	Resp:	35377
Ion	Ratio	Lower	Upper
43	100		
58	32.5	22.3	33.5





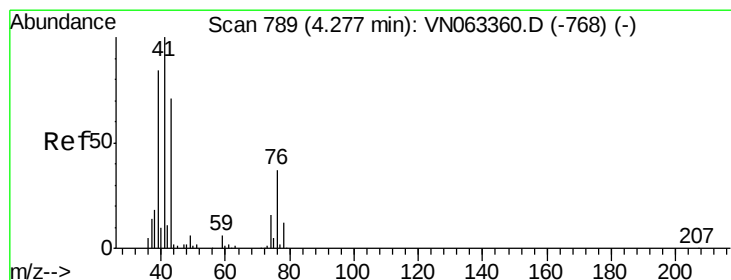
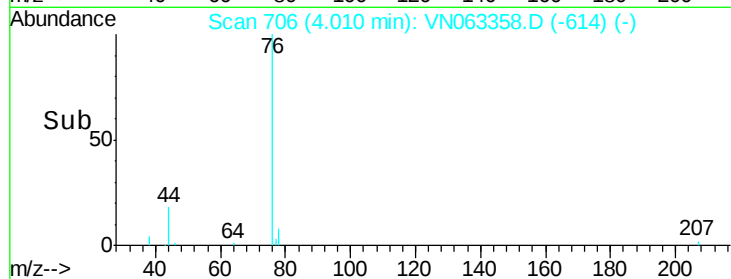
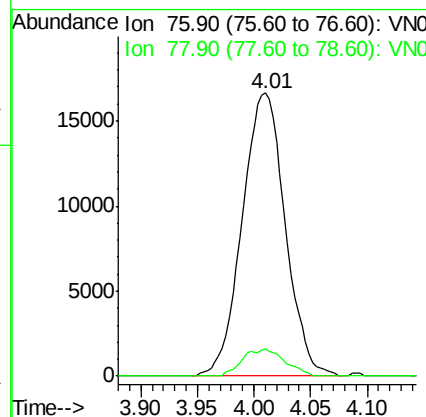
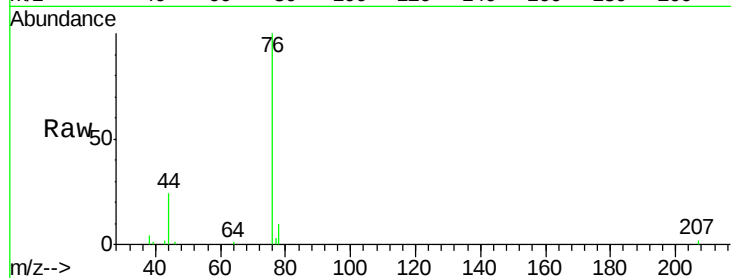
#17
Carbon Disulfide
Concen: 4.713 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 44099
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

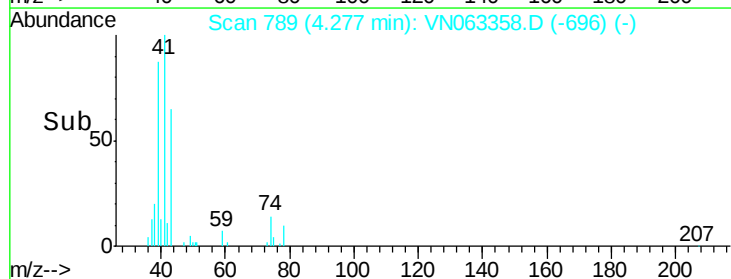
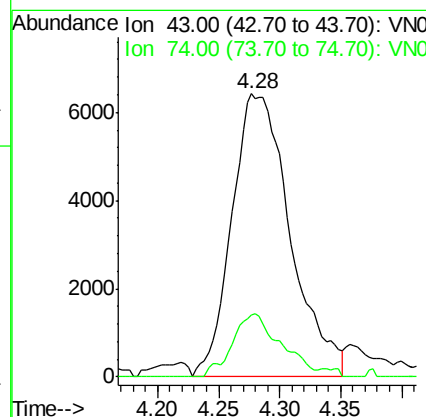
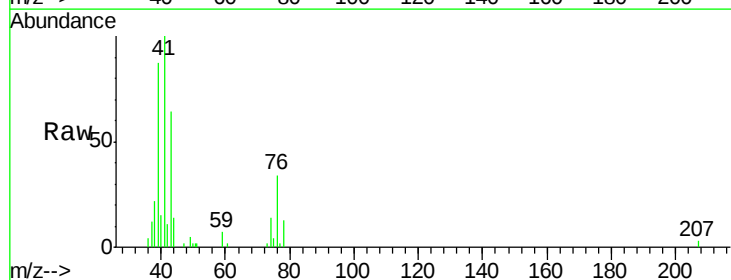
Manual Integrations
APPROVED

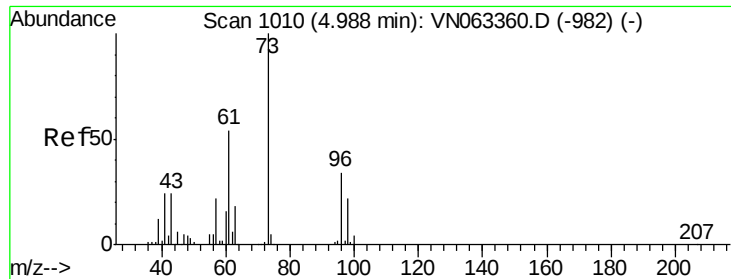
MMDadoda
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#18
Methyl Acetate
Concen: 5.686 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion: 43 Resp: 21359
Ion Ratio Lower Upper
43 100
74 18.5 17.4 26.2





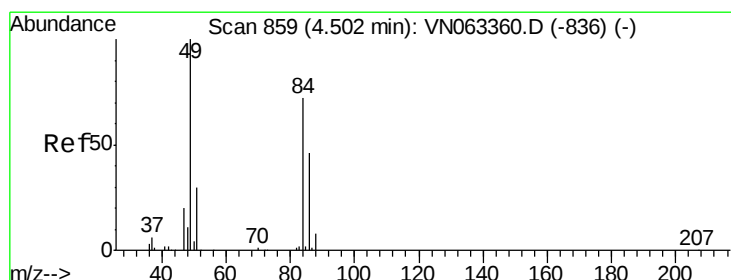
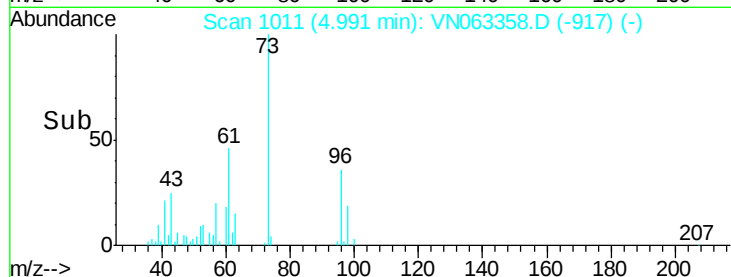
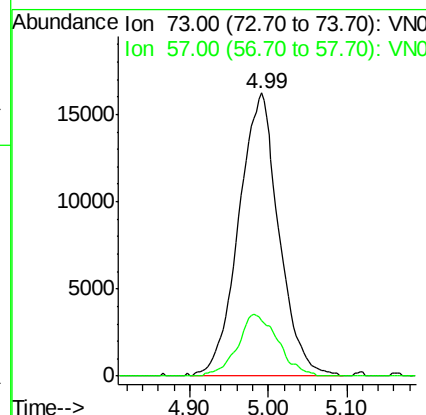
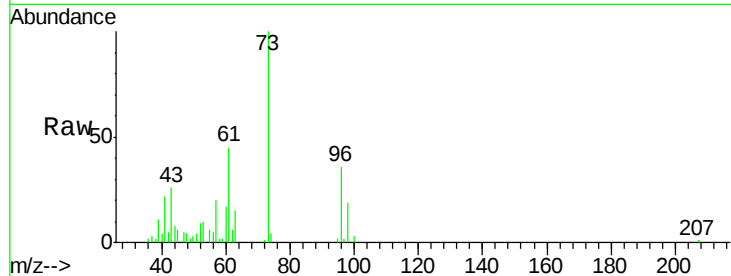
#19
Methvl tert-butvl Ether
Concen: 5.367 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 58134
Ion Ratio Lower Upper
73 100
57 19.8 17.9 26.9

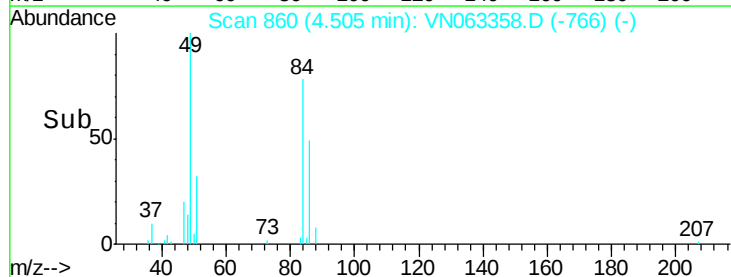
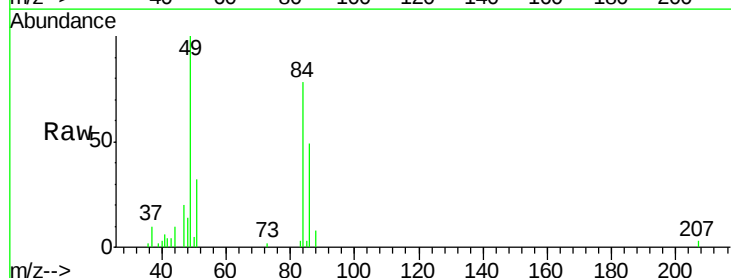
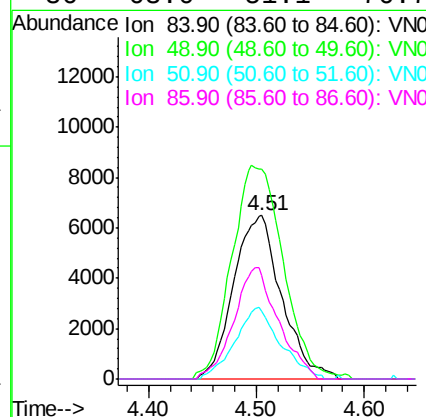
Manual Integrations
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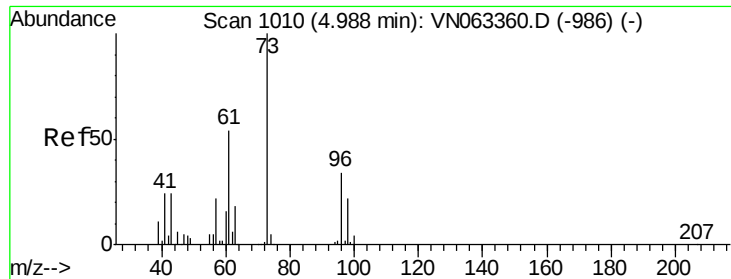
MMDadoda
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#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion: 84 Resp: 20082
Ion Ratio Lower Upper
84 100
49 128.6 110.7 166.1
51 41.6 32.9 49.3
86 63.0 51.1 76.7





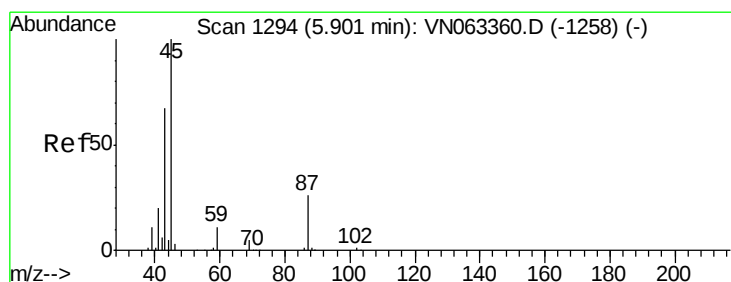
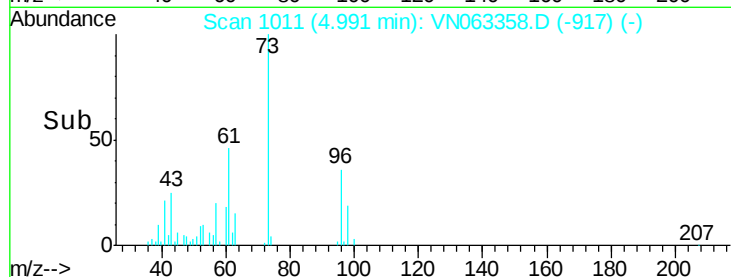
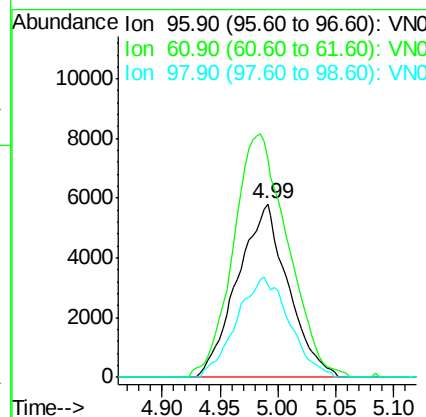
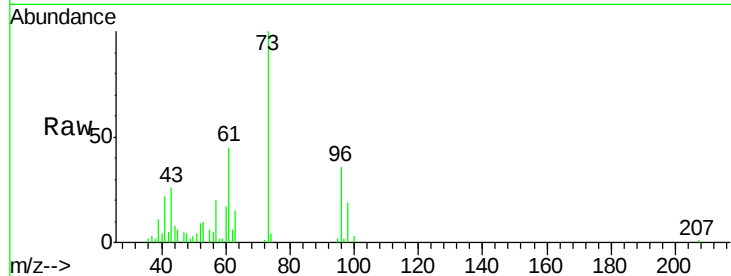
#21
trans-1,2-Dichloroethene
Concen: 5.224 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.1	126.2	189.4#
98	53.6	51.0	76.4

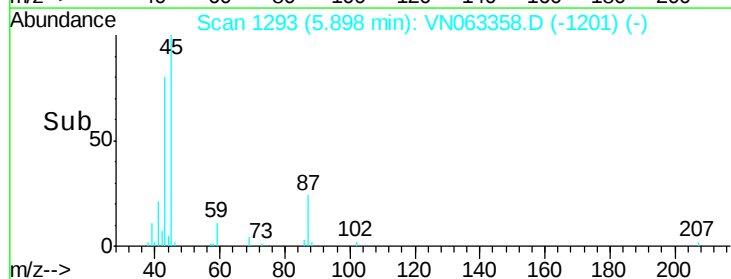
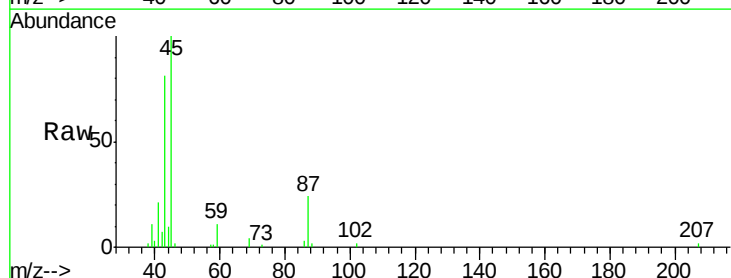
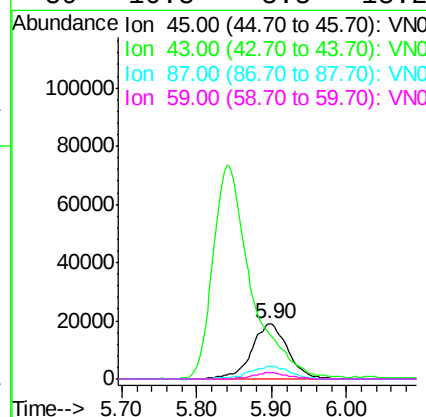
Manual Integrations
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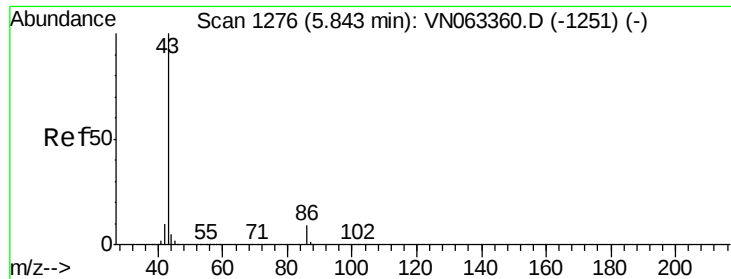
MMDadoda
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#22
Diisopropyl ether
Concen: 5.293 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	76.6	53.5	80.3
87	24.0	21.2	31.8
59	10.8	8.8	13.2





#23

Vinyl Acetate

Concen: 27.276 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 261698

Ion Ratio Lower Upper

43 100

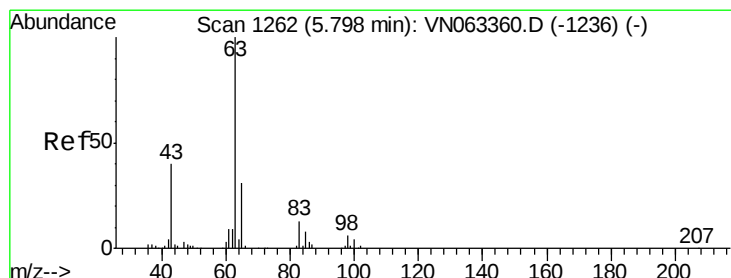
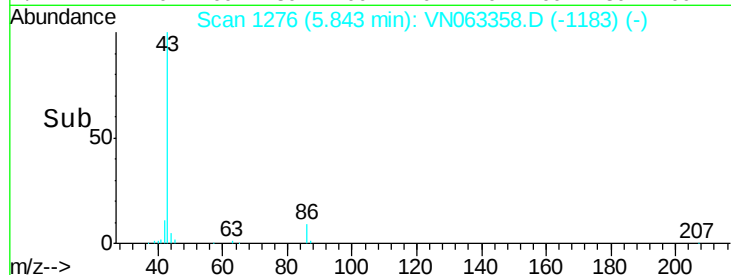
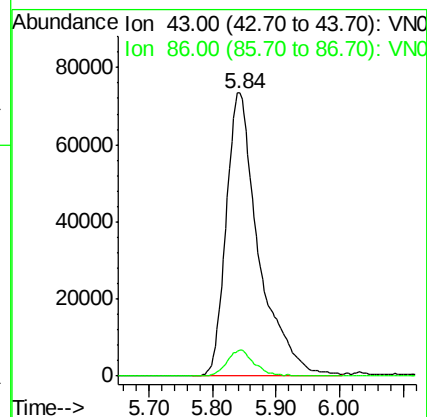
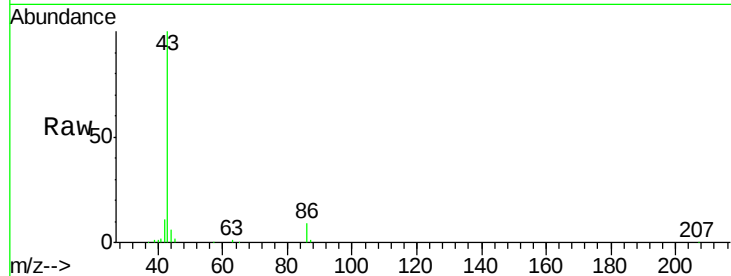
86 9.4 7.1 10.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.257 ug/l

RT: 5.79 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

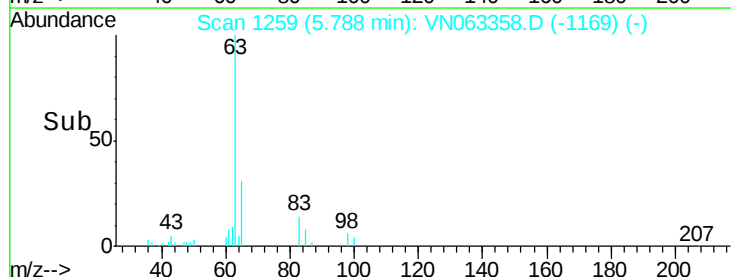
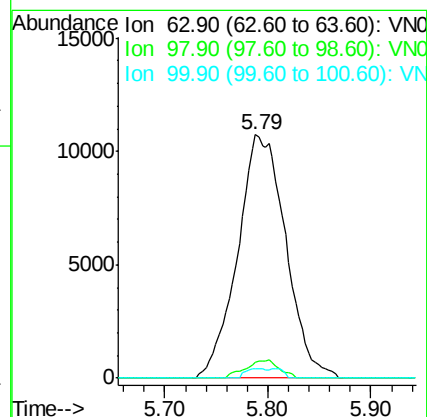
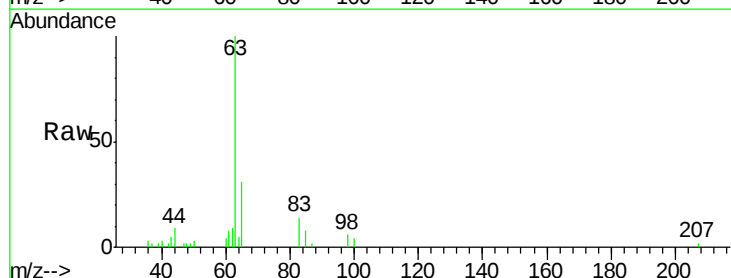
Tgt Ion: 63 Resp: 34809

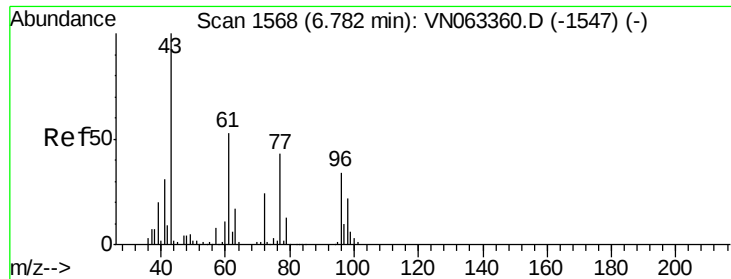
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.8 2.1 6.3





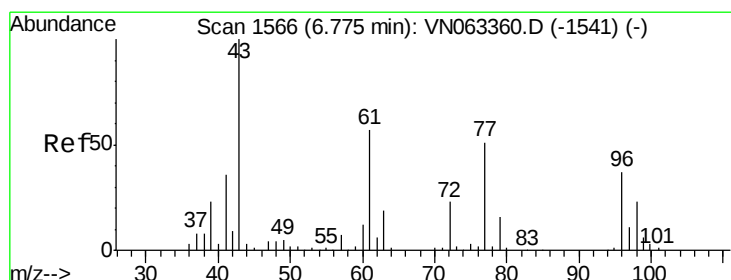
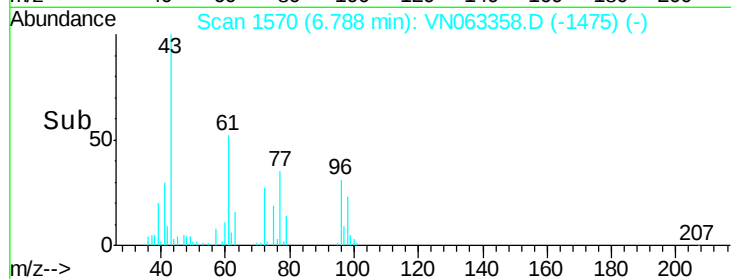
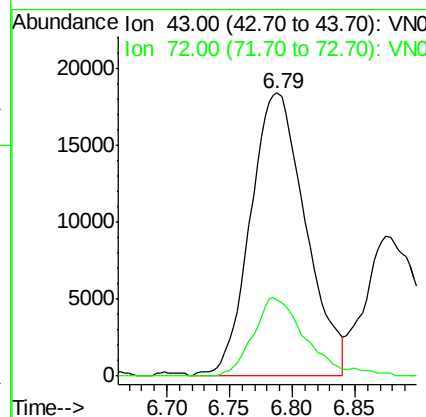
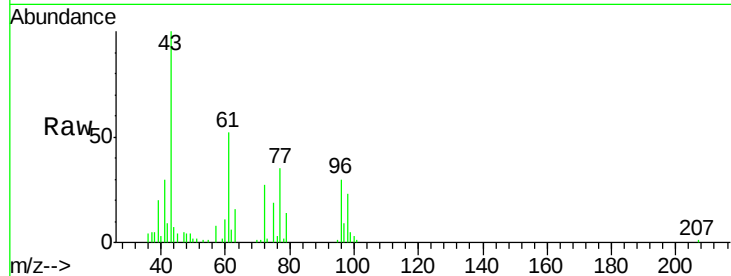
#25
2-Butanone
Concen: 25.532 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.9	19.2	28.8

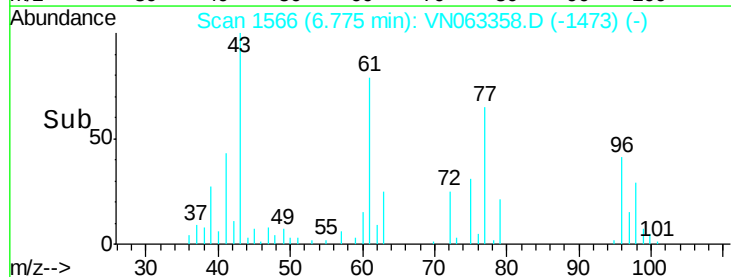
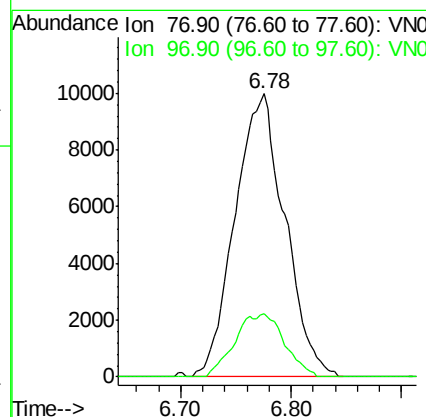
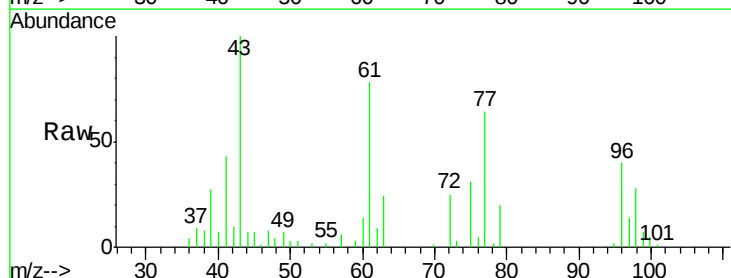
Manual Integrations
APPROVED

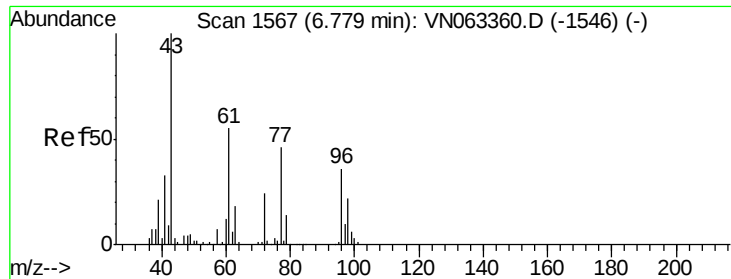
MMDadoda
9/17/2020 1:07:48 PM



#26
2,2-Dichloropropane
Concen: 5.399 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
77	100		
97	9.2	10.5	31.6#





#27

cis-1,2-Dichloroethene

Concen: 4.824 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

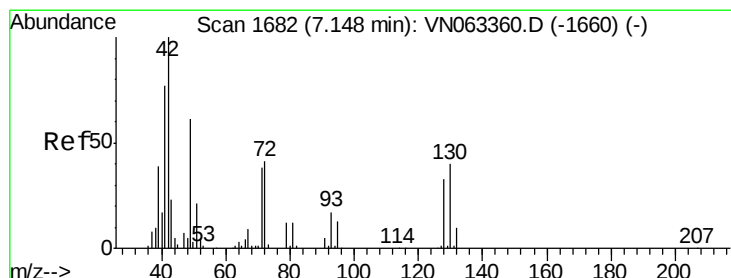
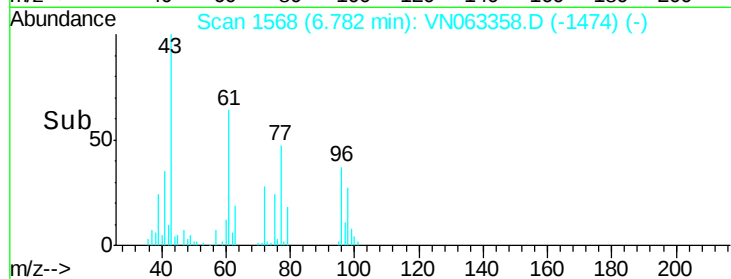
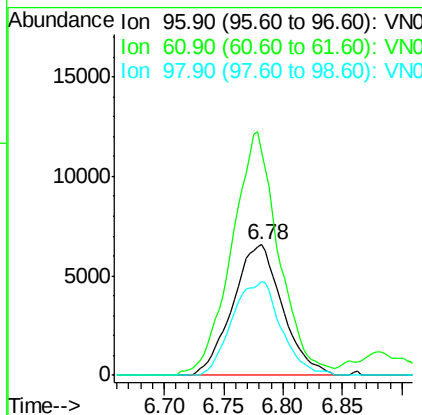
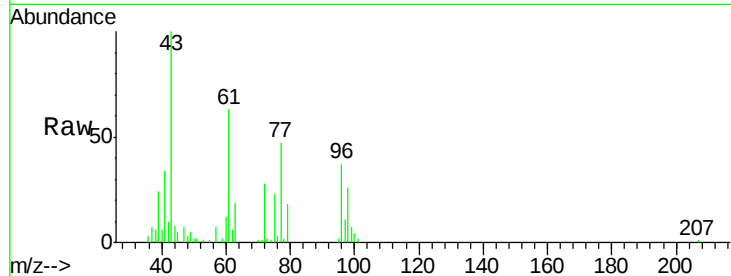
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	19005
Ion	Ratio	Lower	Upper
96	100		
61	176.1	0.0	319.6
98	70.6	0.0	127.8

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#28

Bromochloromethane

Concen: 5.637 ug/l

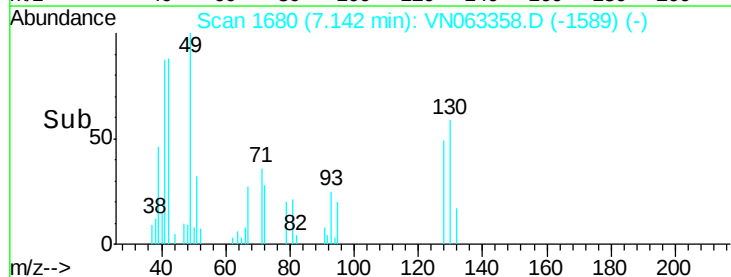
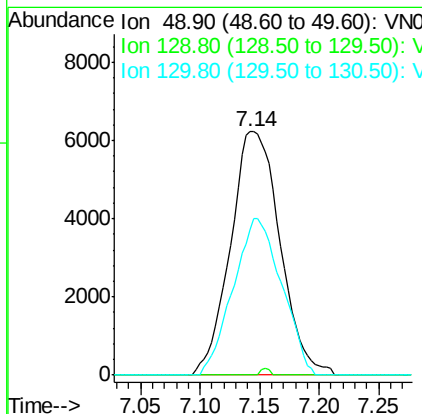
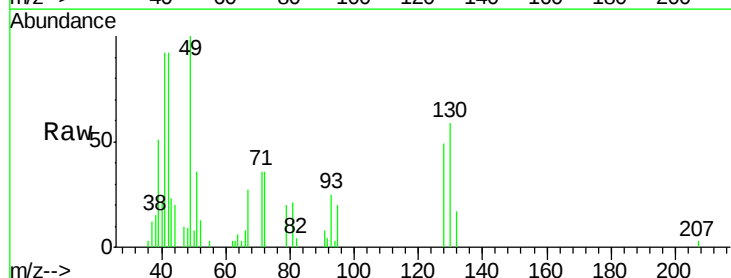
RT: 7.14 min Scan# 1680

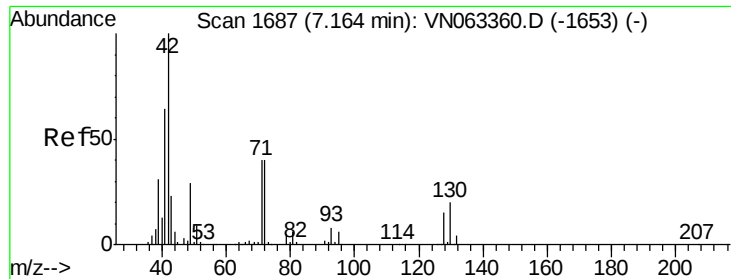
Delta R.T. -0.01 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Tgt Ion:	49	Resp:	17924
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.8
130	63.1	52.2	78.2





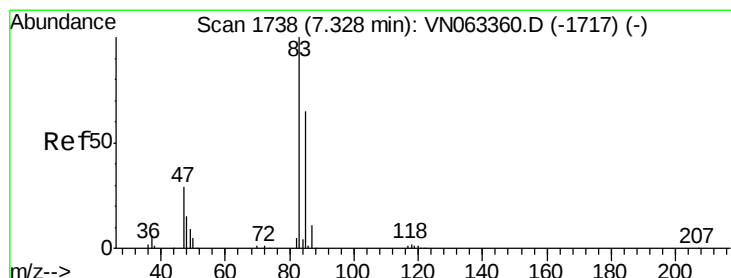
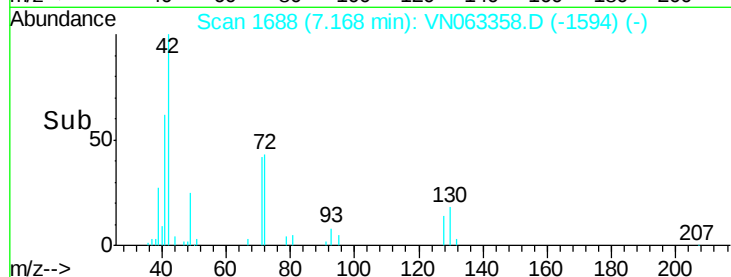
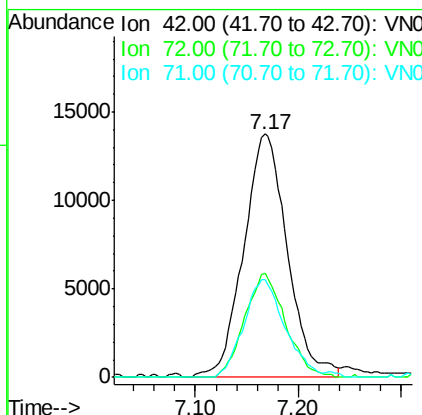
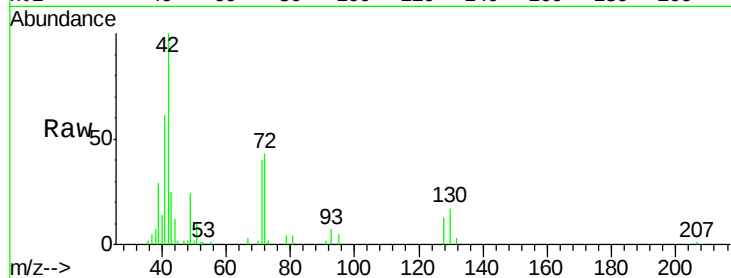
#29
Tetrahydrofuran
Concen: 28.204 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.1	48.1
71	37.7	31.2	46.8

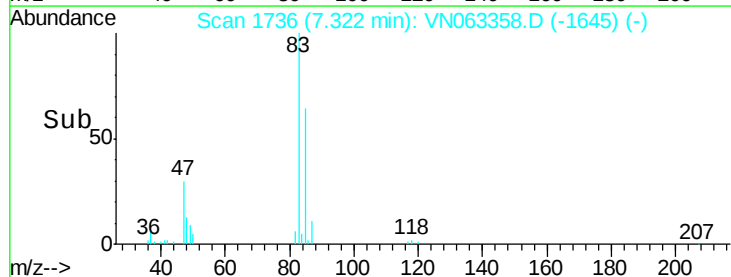
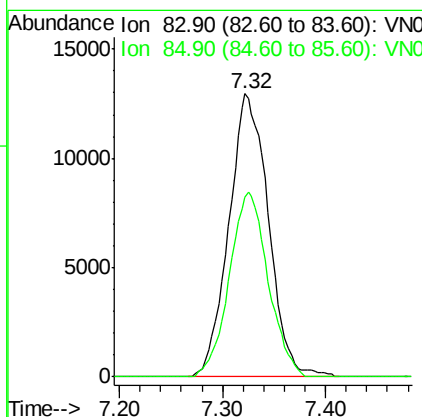
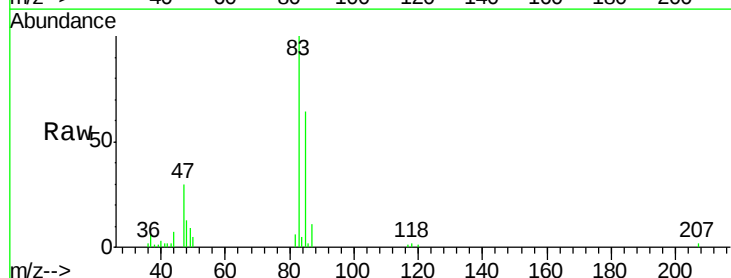
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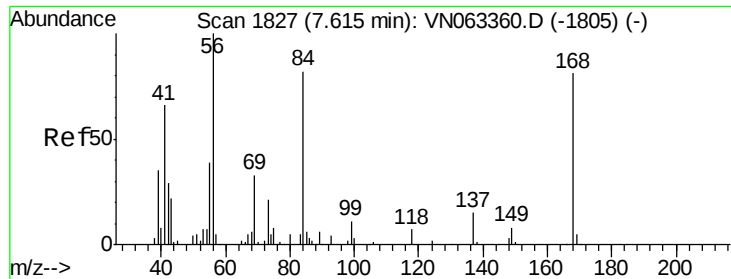
MMDadoda
9/17/2020 1:07:48 PM



#30
Chloroform
Concen: 5.232 ug/l
RT: 7.32 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.1	78.1





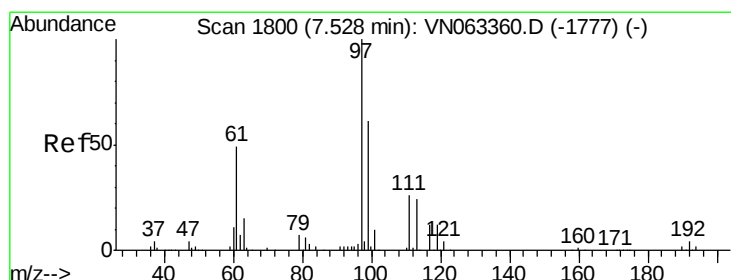
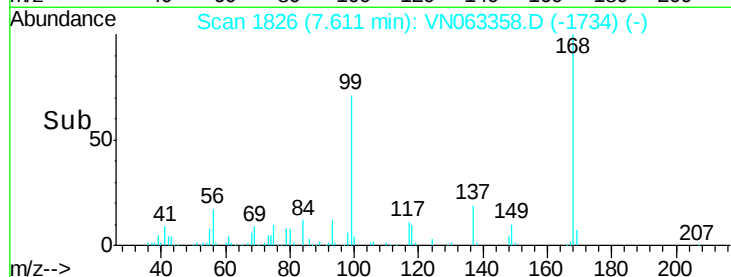
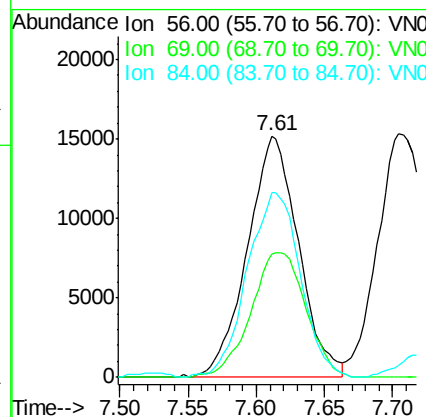
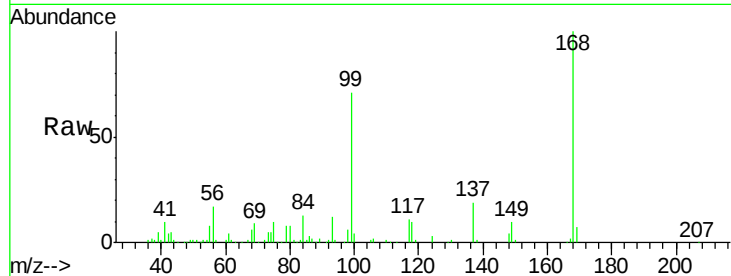
#31
Cyclohexane
Concen: 6.493 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	51.2	26.1	39.1#
84	75.2	65.4	98.2

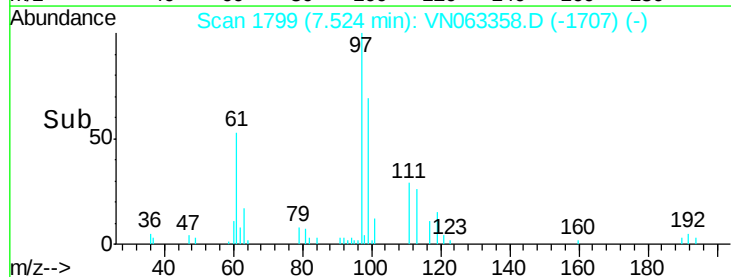
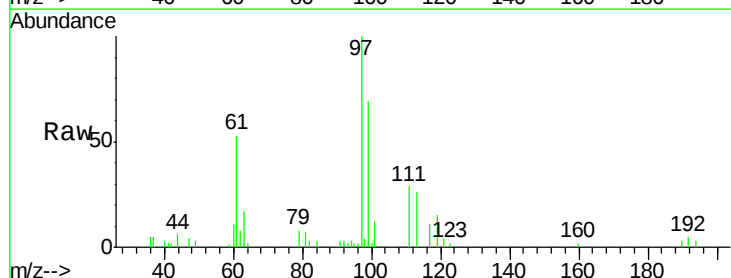
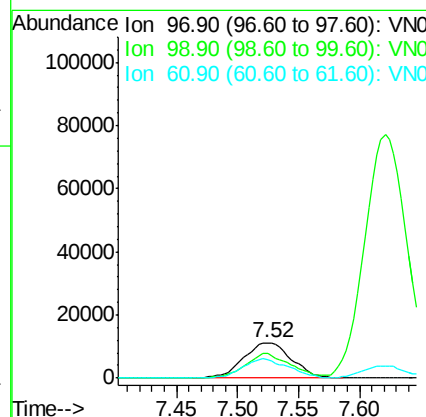
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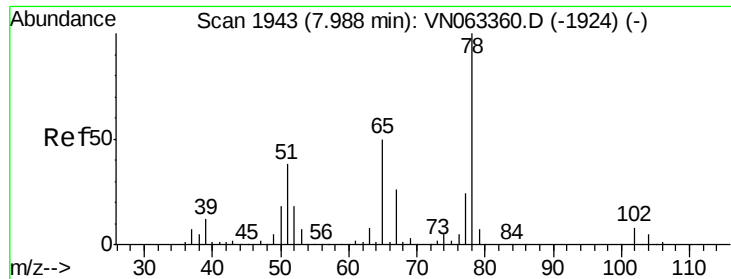
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.276 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.6	50.6	76.0
61	52.3	39.2	58.8





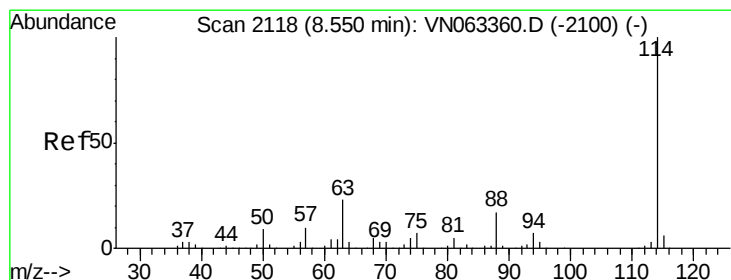
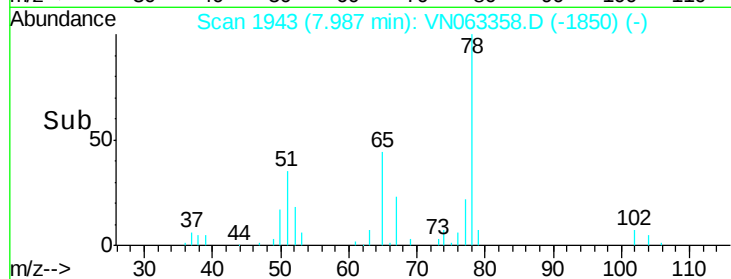
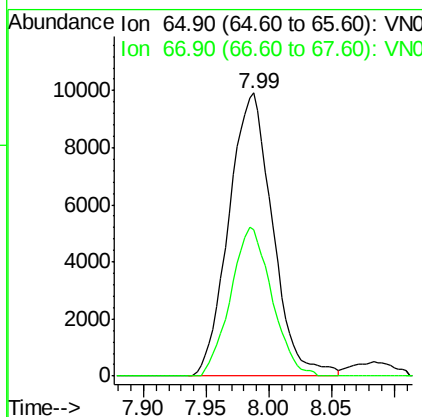
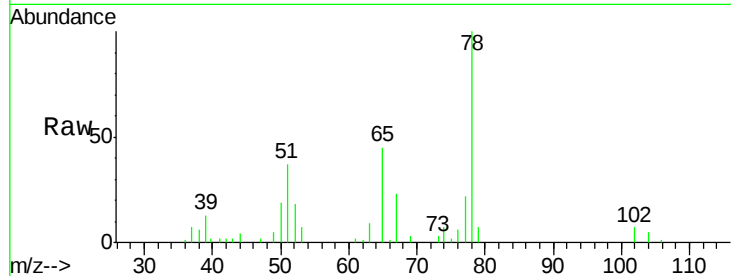
#33
 1,2-Dichloroethane-d4
 Concen: 5.534 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	104.2

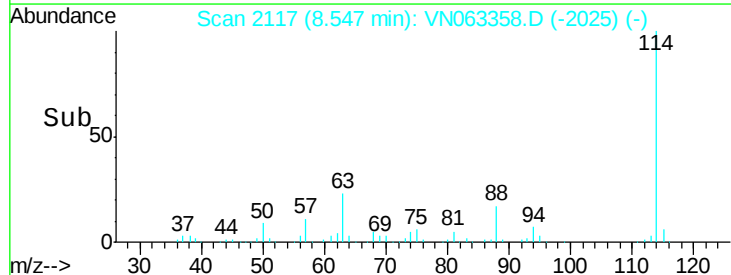
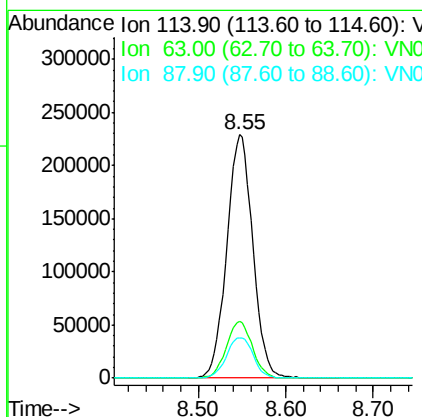
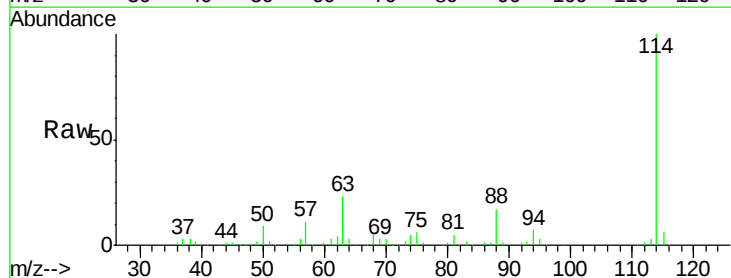
Manual Integrations
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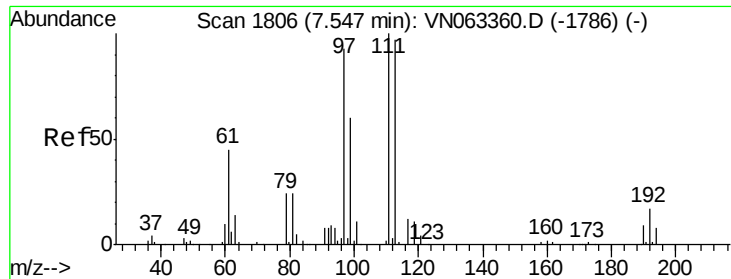
MMDadoda
 9/17/2020 1:07:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.4
88	16.6	0.0	33.2





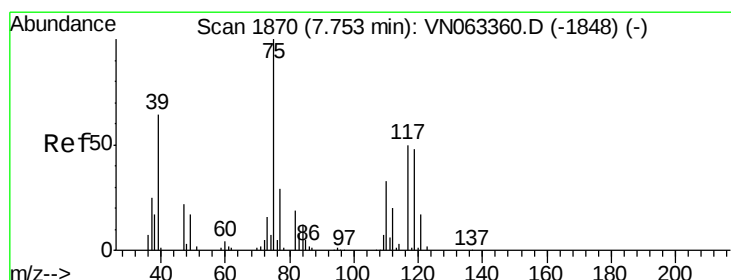
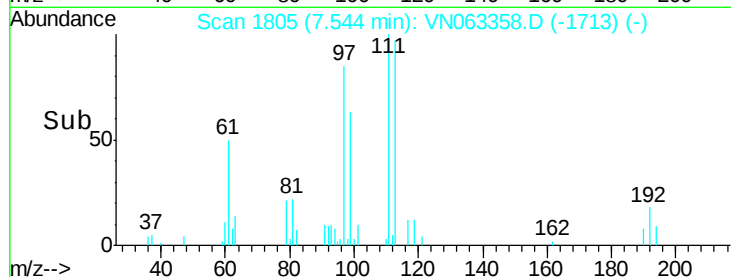
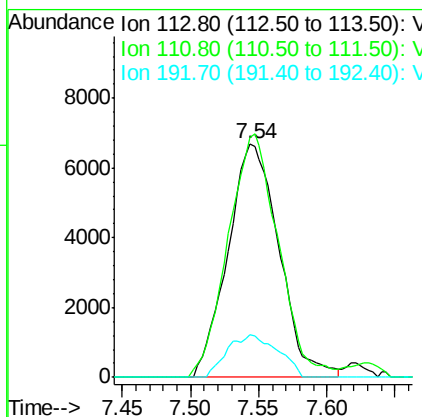
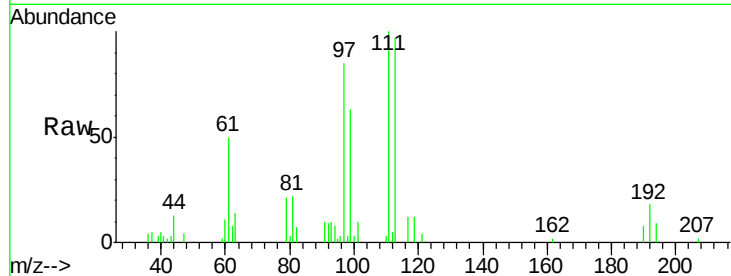
#35
 Dibromofluoromethane
 Concen: 5.686 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.9	124.3
192	17.9	13.9	20.9

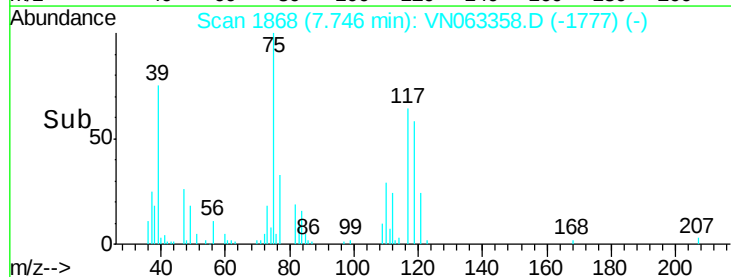
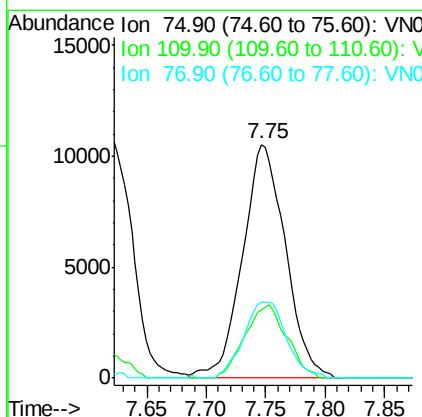
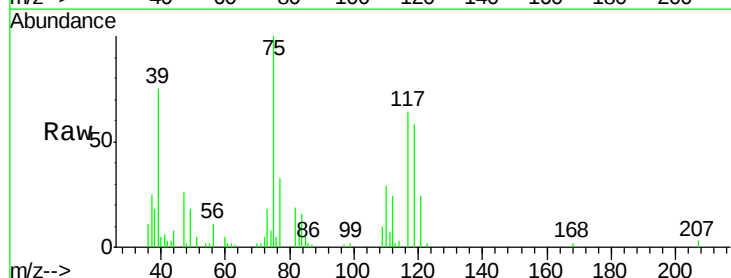
Manual Integrations
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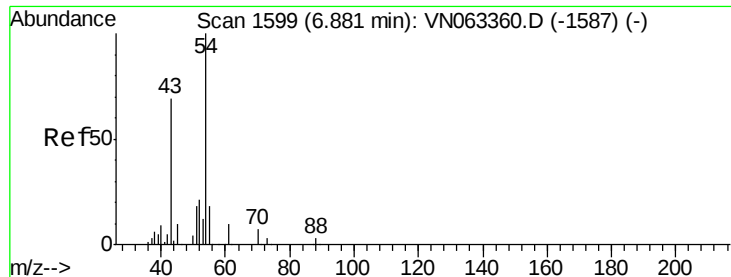
MMDadoda
 9/17/2020 1:07:48 PM



#36
 1,1-Dichloropropene
 Concen: 5.374 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.5	49.5
77	32.4	24.6	36.8





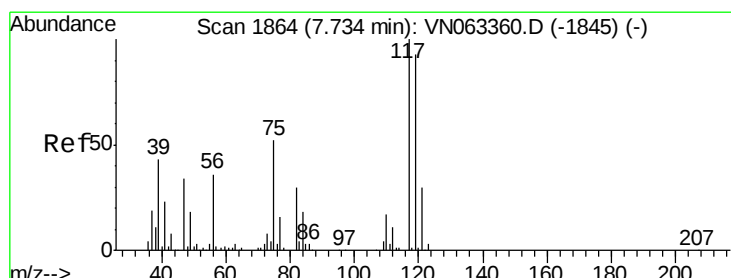
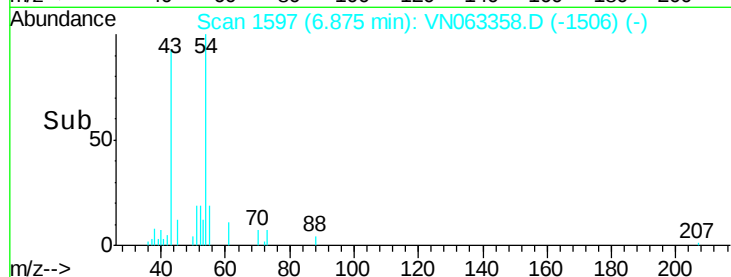
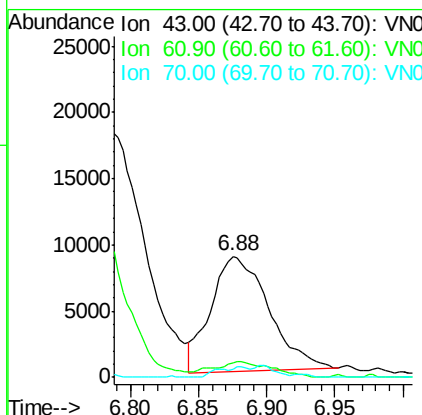
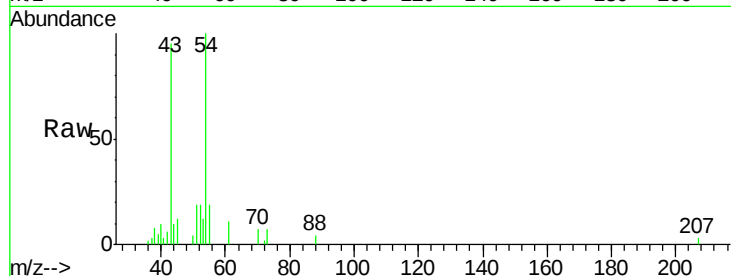
#37
Ethyl Acetate
Concen: 5.304 ug/l
RT: 6.88 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.6	15.8
70	2.7	7.2	10.8

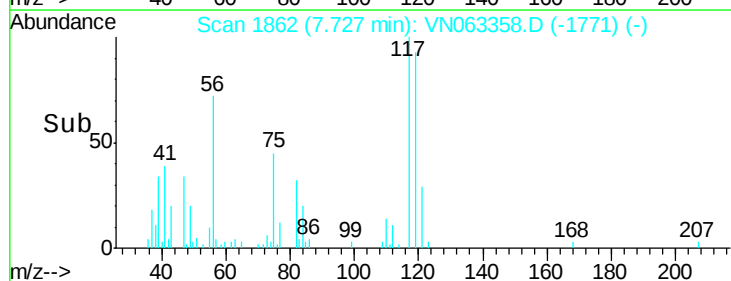
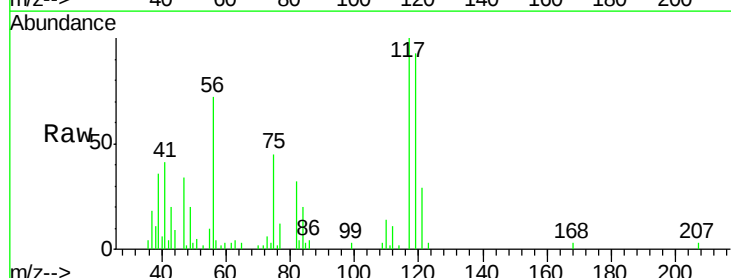
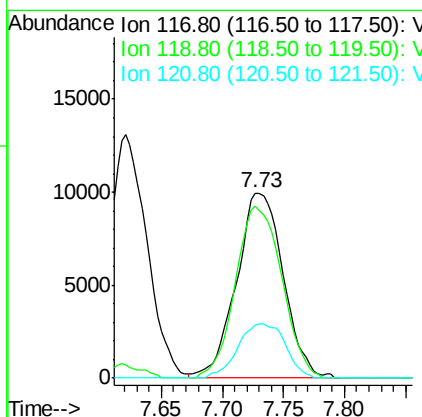
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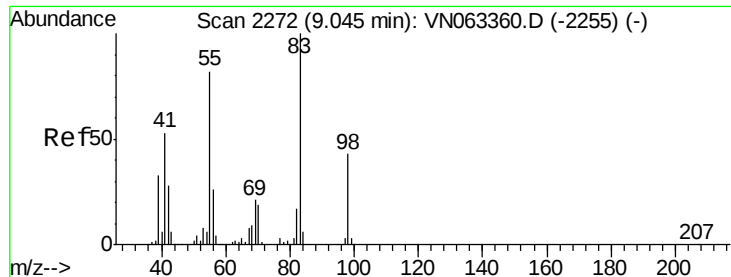
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#38
Carbon Tetrachloride
Concen: 5.450 ug/l
RT: 7.73 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	74.5	111.7
121	28.6	24.1	36.1





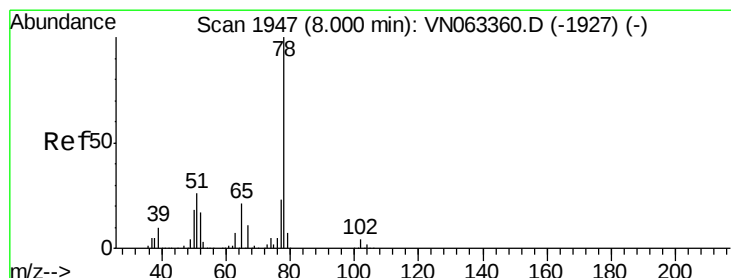
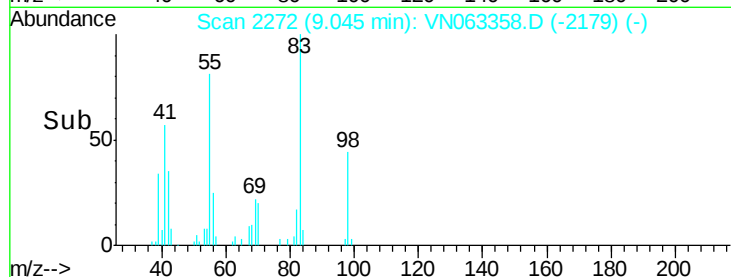
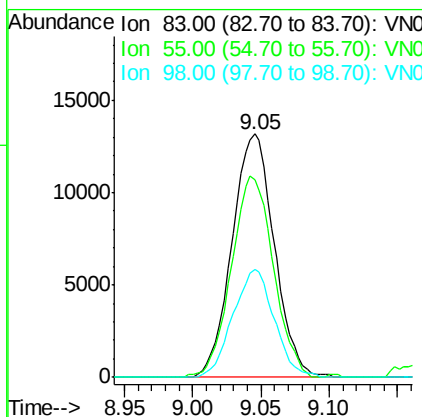
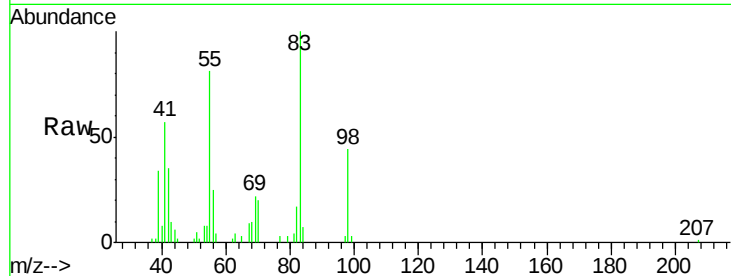
#39
Methvlcvclohexane
Concen: 5.305 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	65.5	98.3
98	44.4	34.2	51.4

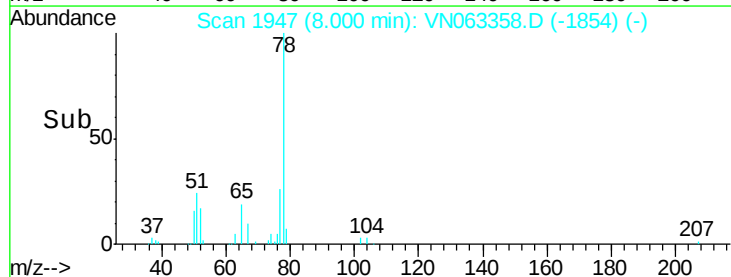
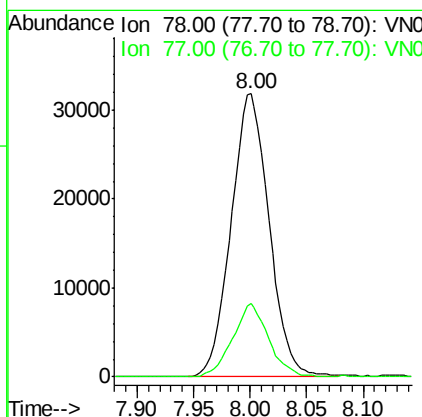
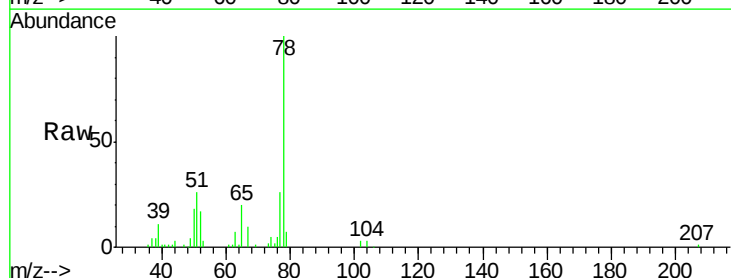
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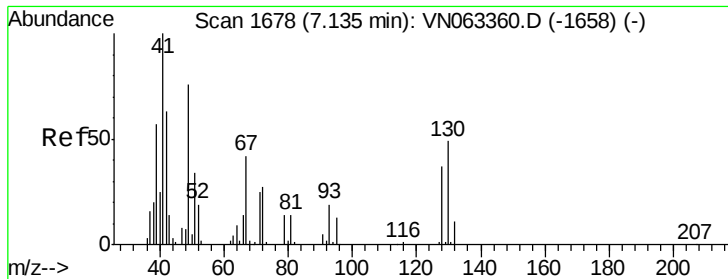
MMDadoda
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#40
Benzene
Concen: 5.324 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.3	27.5





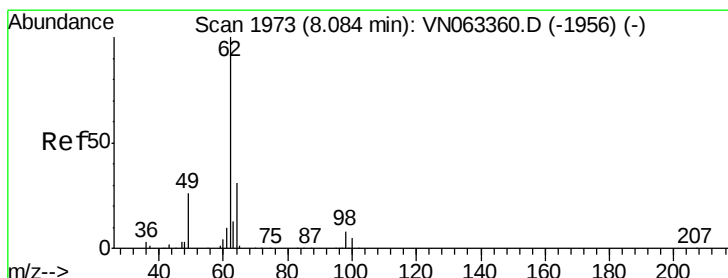
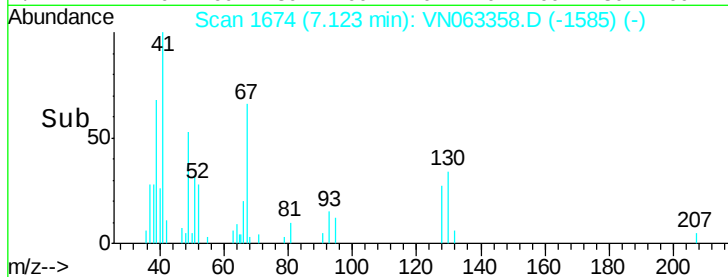
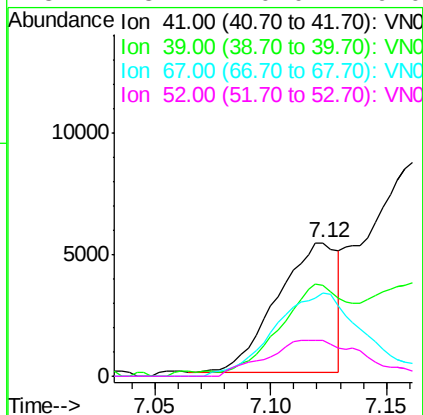
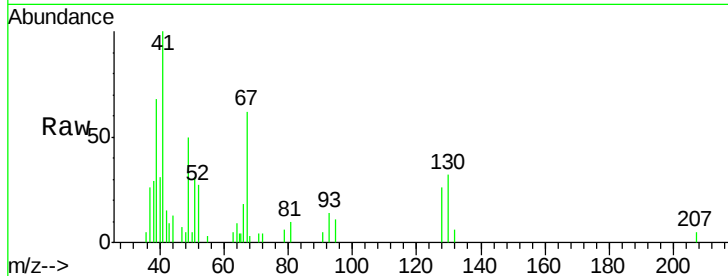
#41
Methacrylonitrile
Concen: 4.401 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	9695
Ion Ratio	Lower	Upper	
41	100		
39	72.2	0.0	0.0#
67	96.6	0.0	0.0#
52	45.2	0.0	0.0#

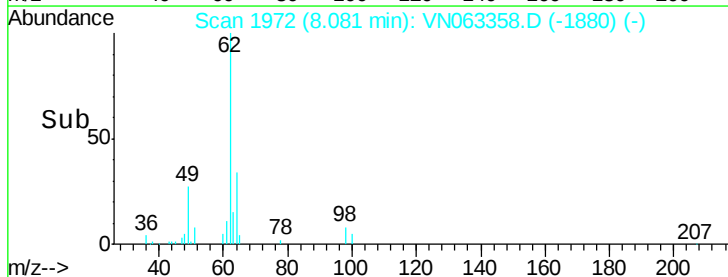
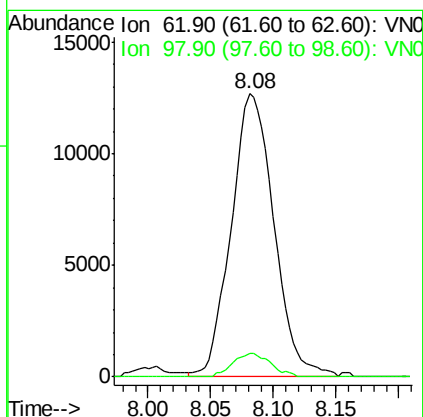
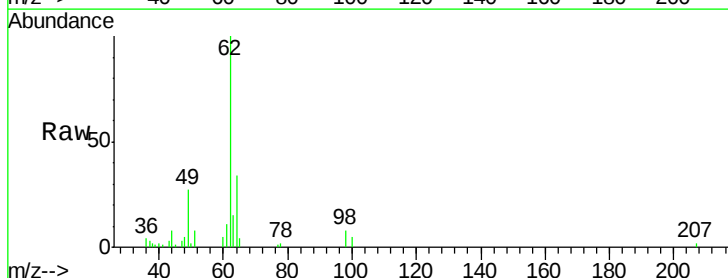
Manual Integrations
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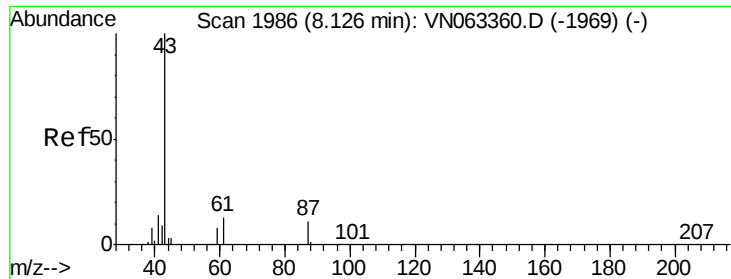
MMDadoda
9/17/2020 1:07:48 PM



#42
1,2-Dichloroethane
Concen: 5.605 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	62	Resp	30025
Ion Ratio	Lower	Upper	
62	100		
98	7.4	0.0	15.6





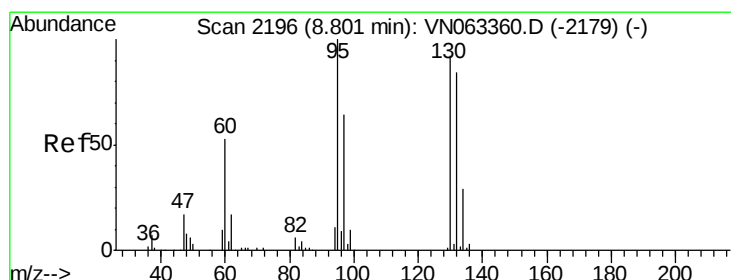
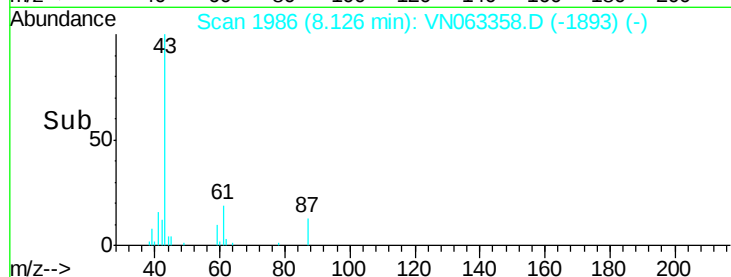
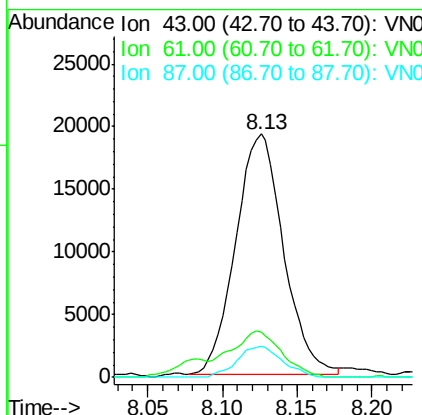
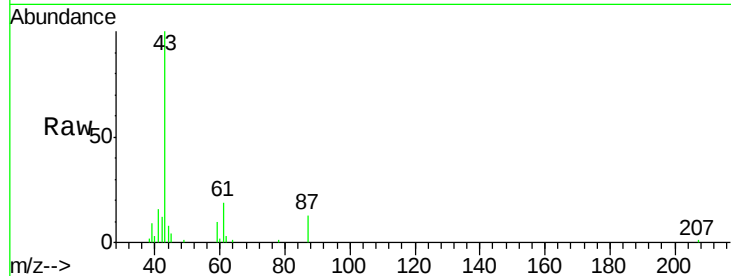
#43
Isopropyl Acetate
Concen: 5.196 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	14.2	21.2
87	12.3	9.0	13.6

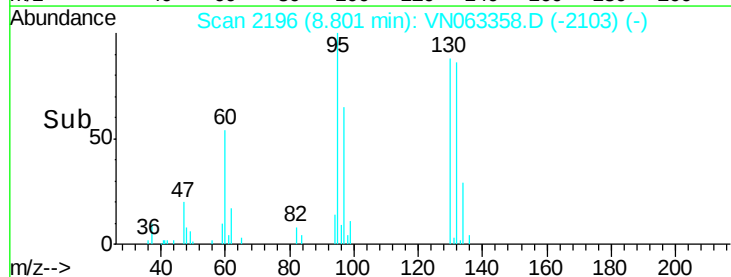
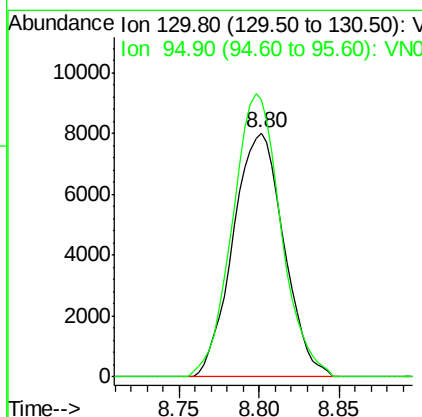
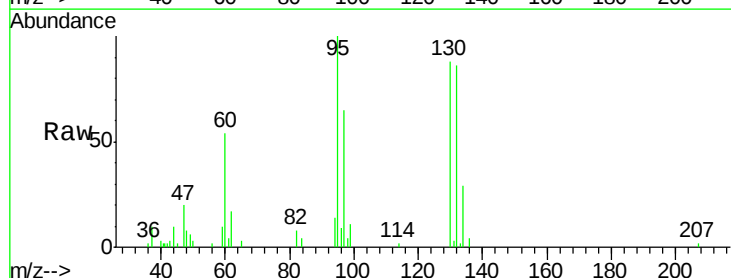
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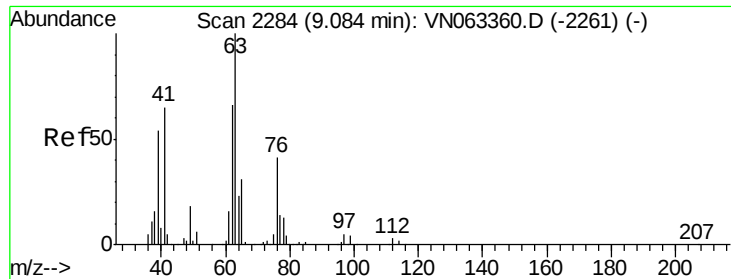
MMDadoda
9/17/2020 1:07:48 PM



#44
Trichloroethene
Concen: 4.833 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.6	0.0	217.4





#45

1,2-Dichloropropane

Concen: 5.149 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 63 Resp: 19760

Ion Ratio Lower Upper

63 100

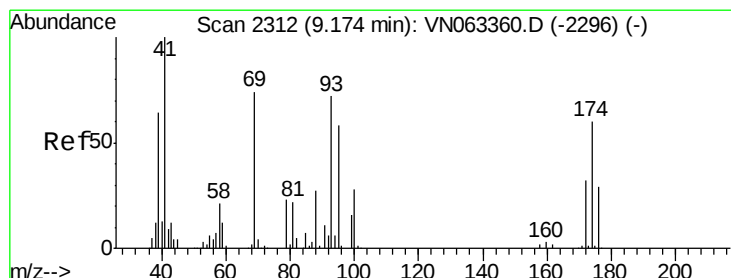
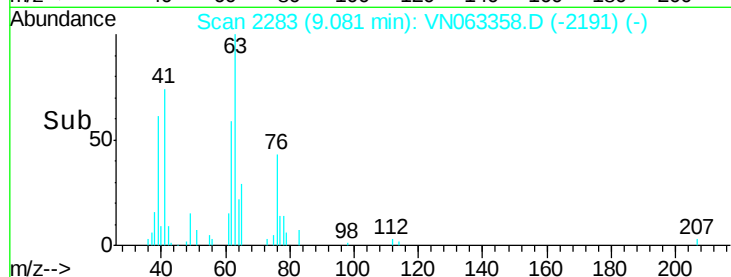
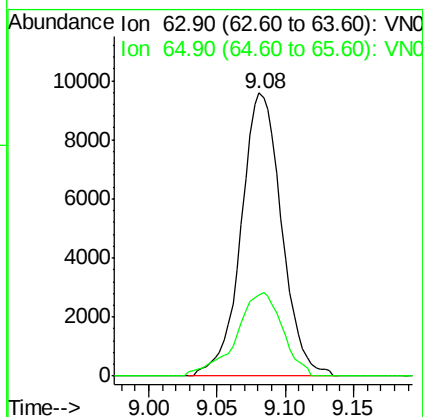
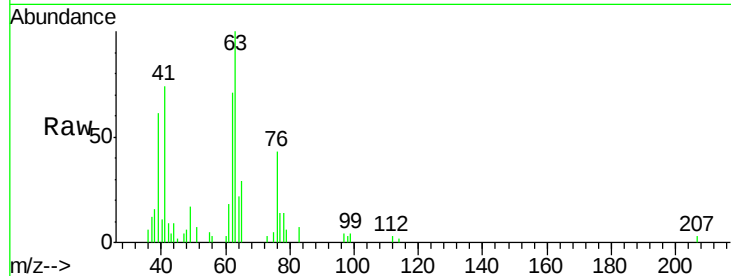
65 28.5 25.0 37.6

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#46

Dibromomethane

Concen: 5.651 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

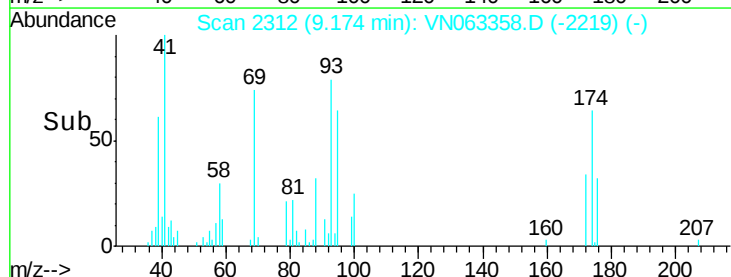
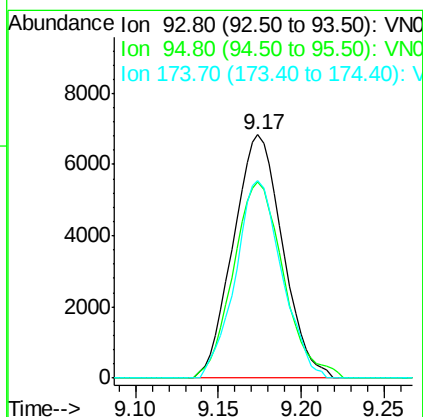
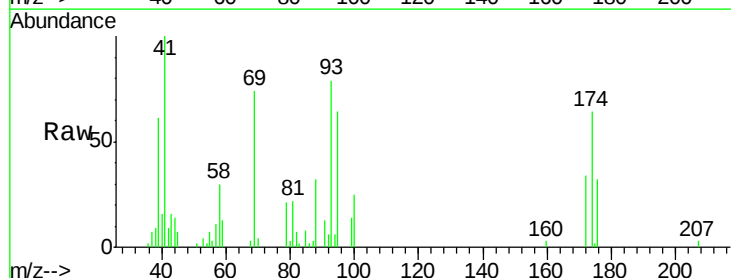
Tgt Ion: 93 Resp: 14138

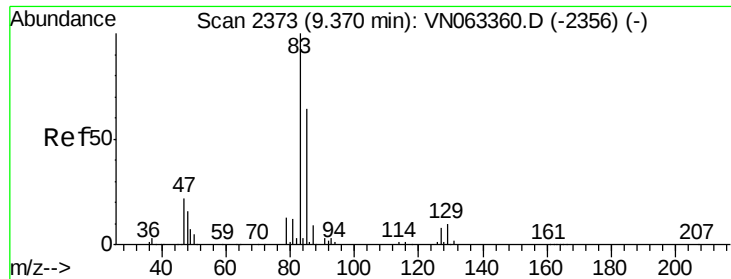
Ion Ratio Lower Upper

93 100

95 81.8 65.6 98.4

174 76.4 68.1 102.1





#47

Bromodichloromethane

Concen: 5.276 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

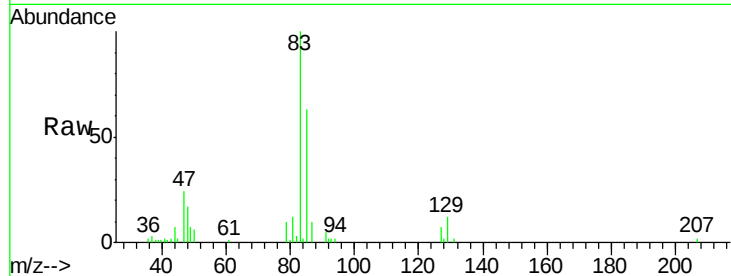
ClientSampleId :

VSTDIC005

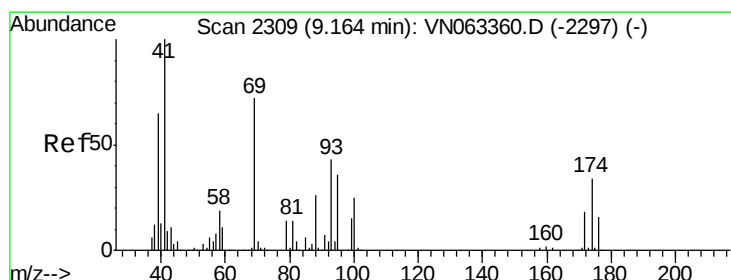
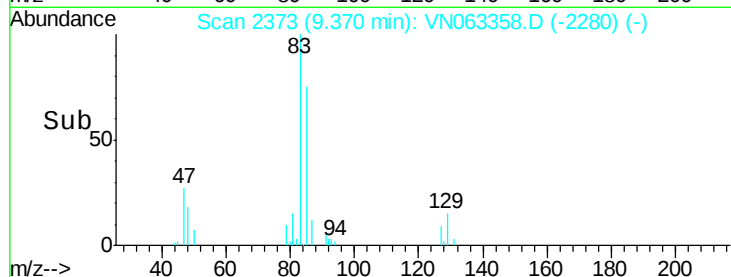
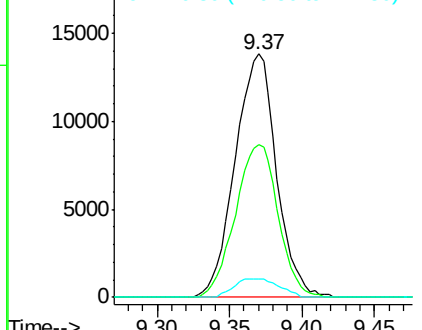
Tot Ion:	83	Resp:	27410
Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.6
127	7.4	6.3	9.5

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Abundance Ion 82.90 (82.60 to 83.60): VN063358.D (-2280) (-)



#48

Methyl methacrylate

Concen: 5.557 ug/l

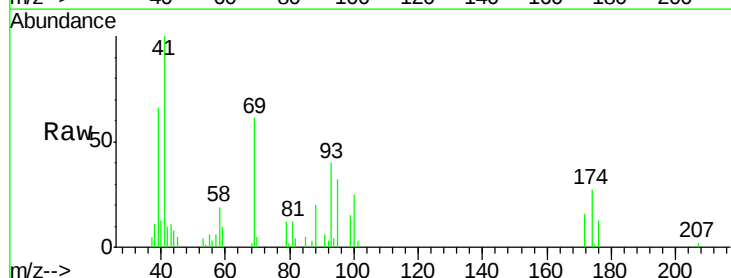
RT: 9.16 min Scan# 2308

Delta R.T. -0.00 min

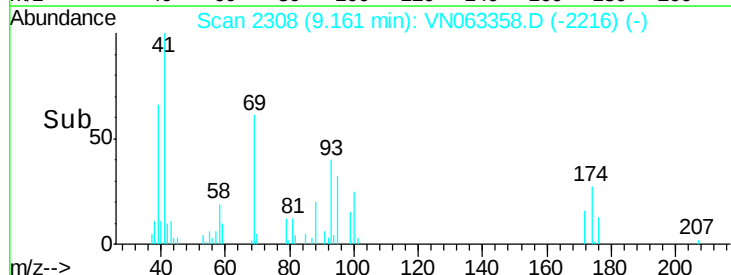
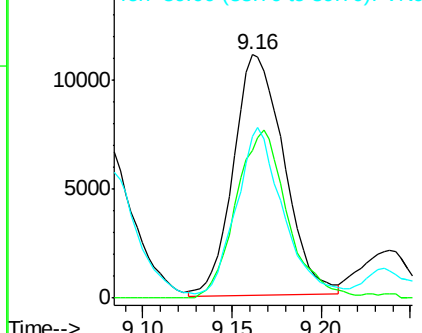
Lab File: VN063358.D

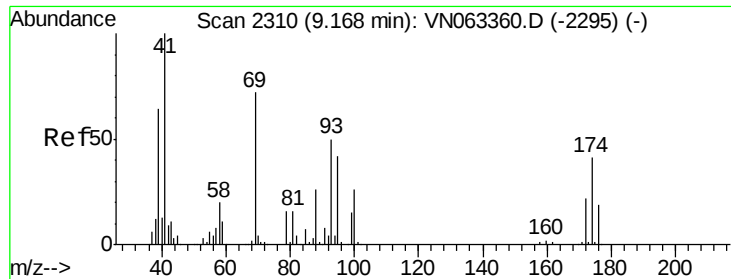
Acq: 16 Sep 2020 11:08

Tgt Ion:	41	Resp:	21921
Ion	Ratio	Lower	Upper
41	100		
69	71.2	59.3	88.9
39	65.5	52.9	79.3



Abundance Ion 41.00 (40.70 to 41.70): VN063358.D (-2216) (-)





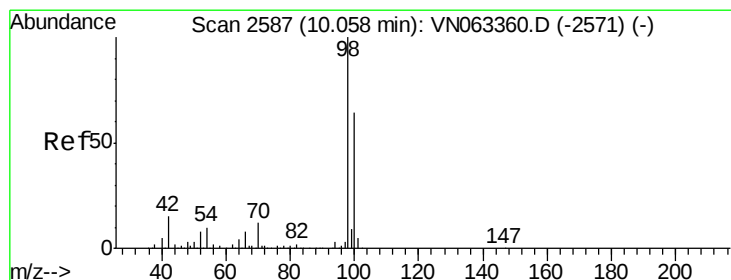
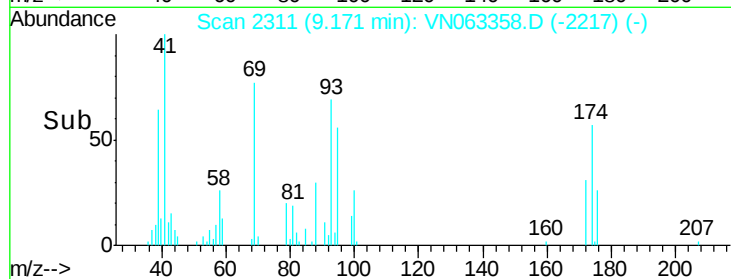
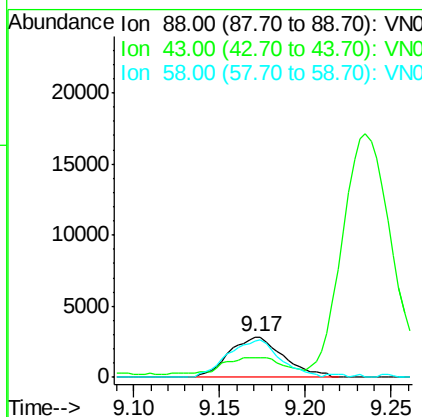
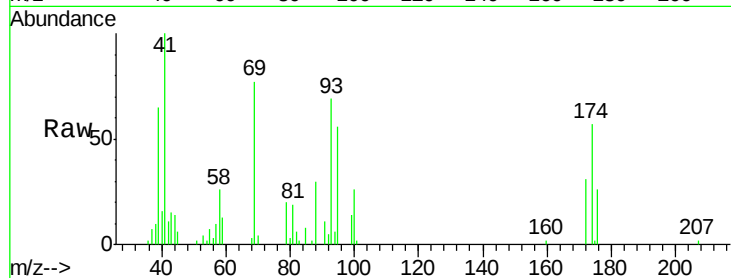
#49
1,4-Dioxane
Concen: 102.246 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.6	32.6	49.0
58	88.3	60.0	90.0

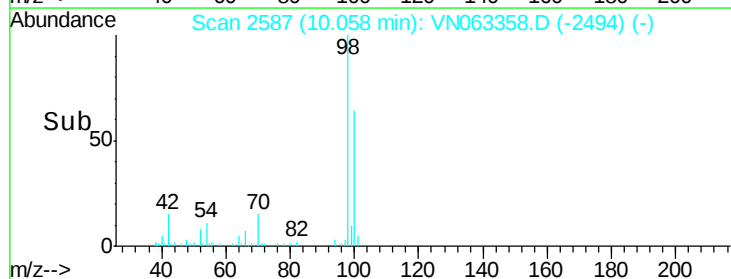
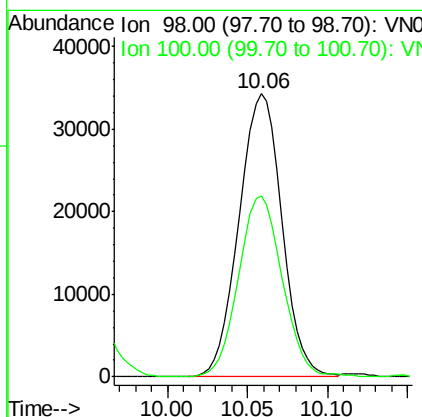
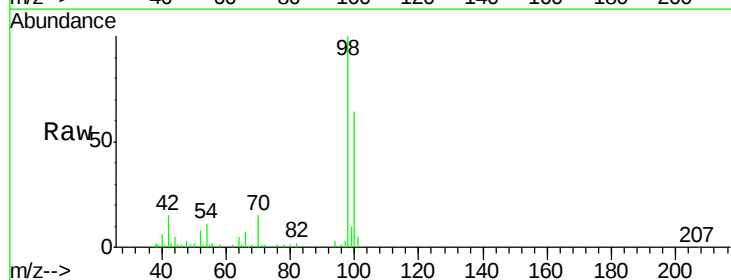
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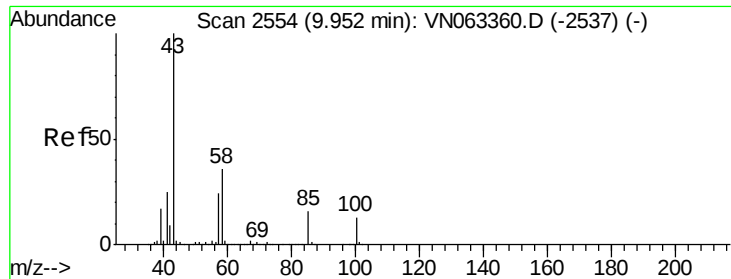
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#50
Toluene-d8
Concen: 5.360 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 28.839 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 130319

Ion Ratio Lower Upper

43 100

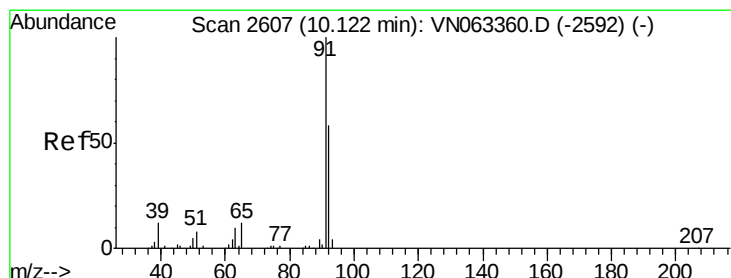
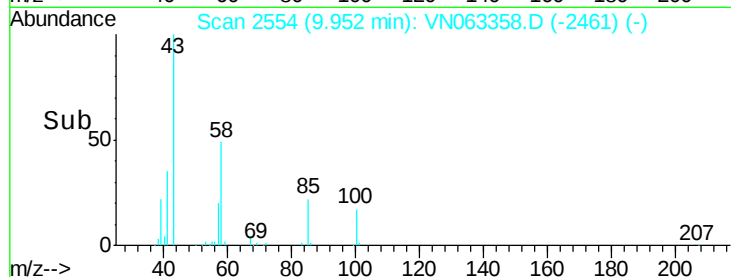
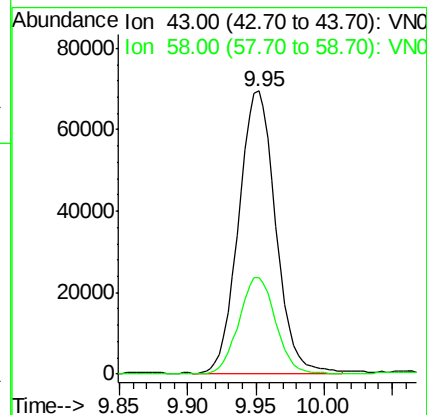
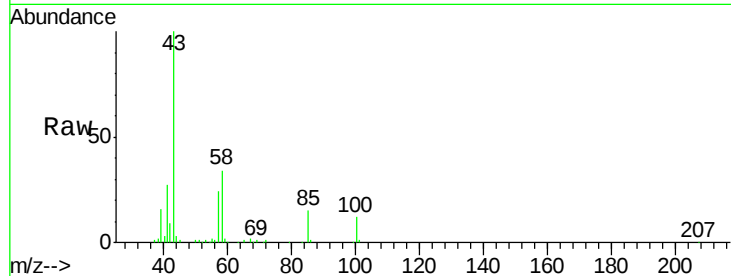
58 34.1 29.0 43.6

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#52

Toluene

Concen: 5.092 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063358.D

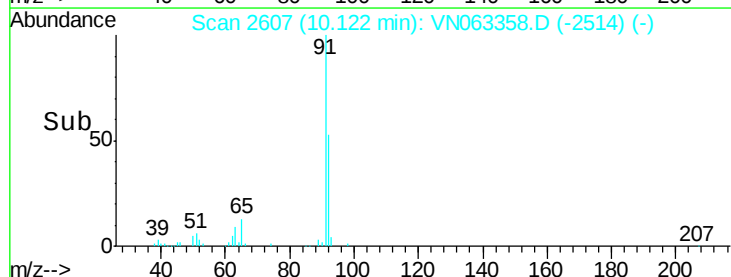
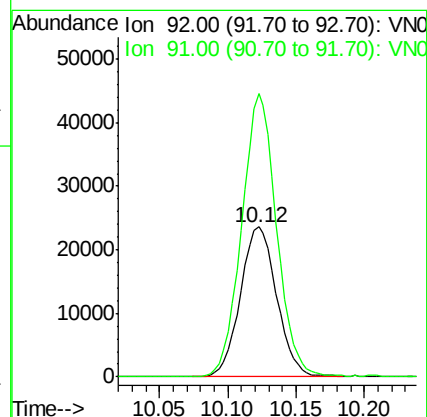
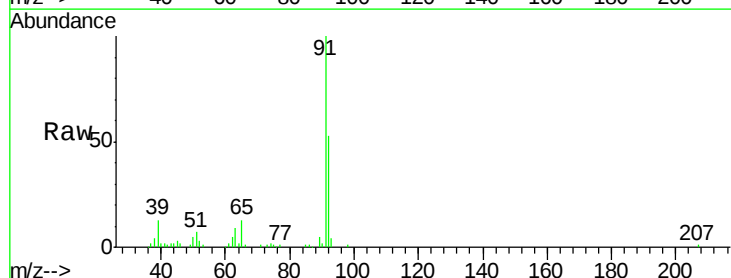
Acq: 16 Sep 2020 11:08

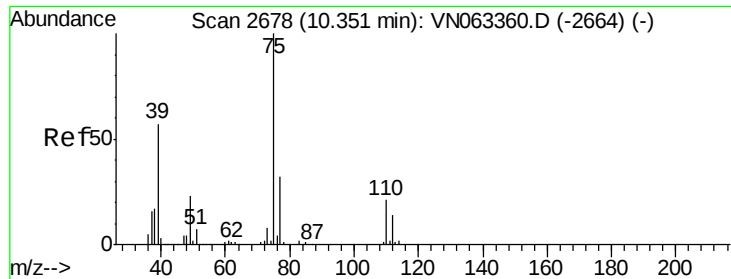
Tgt Ion: 92 Resp: 43565

Ion Ratio Lower Upper

92 100

91 181.5 139.7 209.5





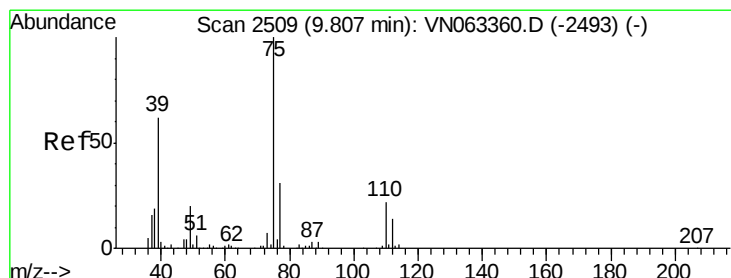
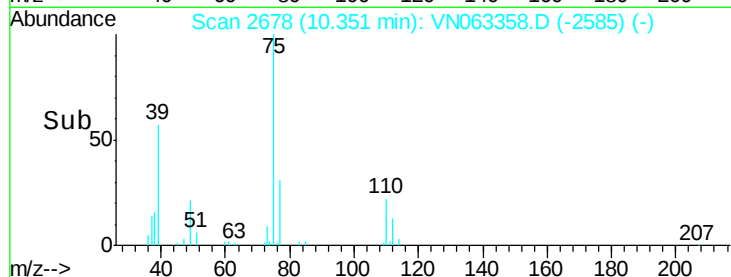
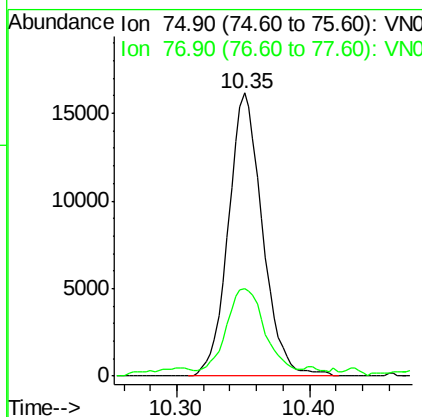
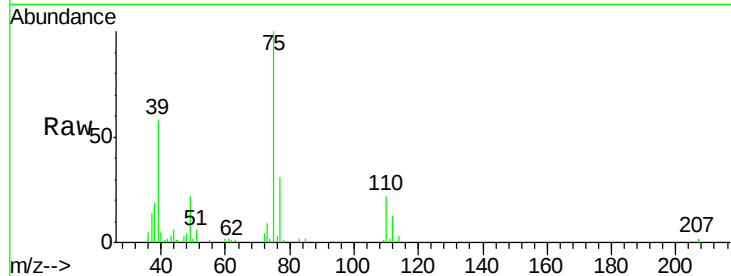
#53
t-1,3-Dichloropropene
Concen: 5.092 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 28888
Ion Ratio Lower Upper
75 100
77 29.5 25.4 38.2

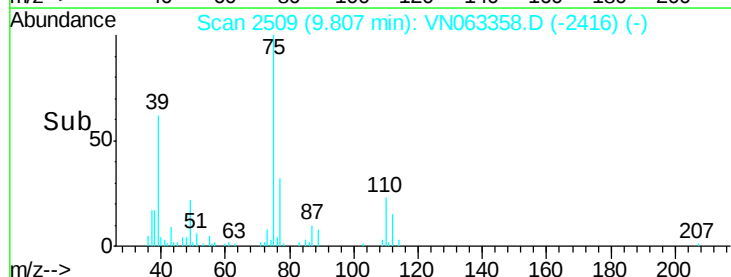
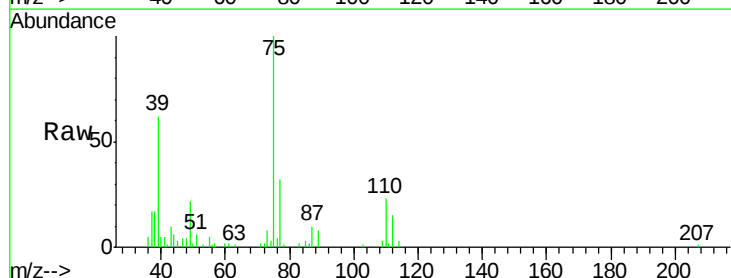
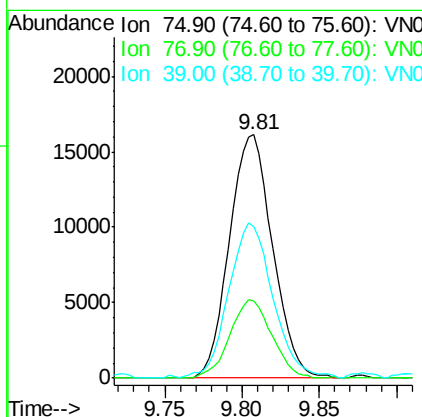
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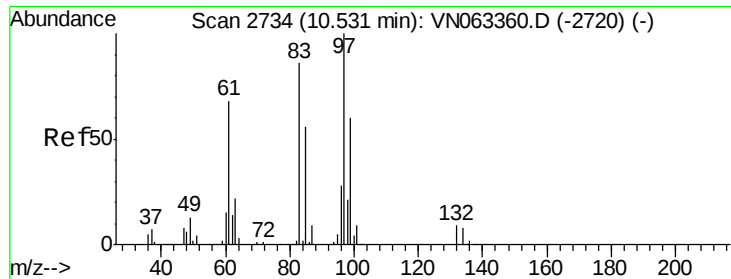
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 5.125 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion: 75 Resp: 31271
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0
39 62.2 49.8 74.8





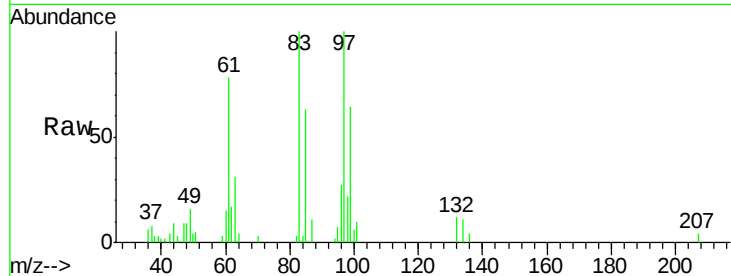
#55
 1,1,2-Trichloroethane
 Concen: 5.171 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	17327
Ion	Ratio	Lower	Upper
97	100		
83	100.5	68.9	103.3
85	63.1	44.8	67.2
99	64.1	47.8	71.8

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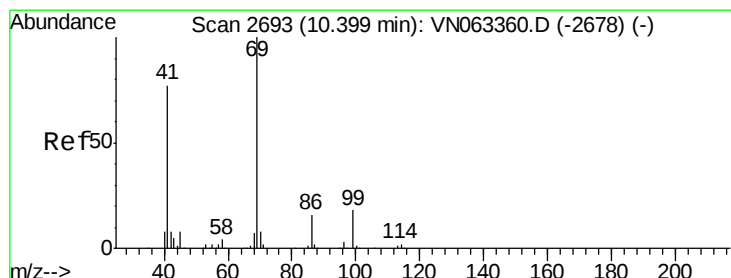
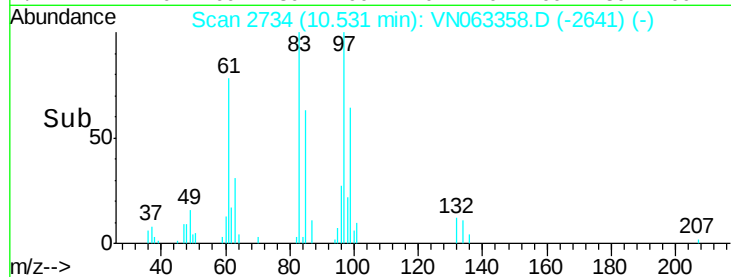
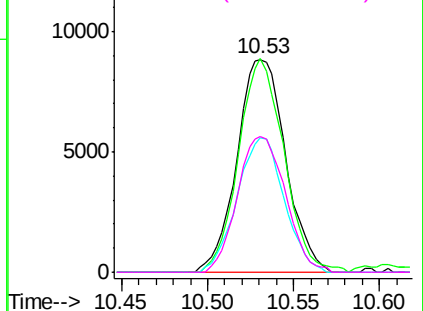


Abundance Ion 96.90 (96.60 to 97.60): VN063358.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN063358.D (-2641) (-)

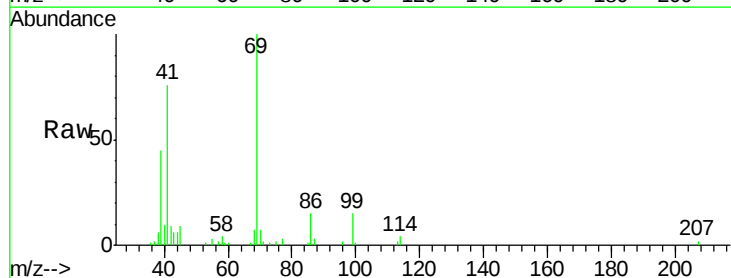
Ion 84.90 (84.60 to 85.60): VN063358.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN063358.D (-2641) (-)



#56
 Ethyl methacrylate
 Concen: 5.196 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

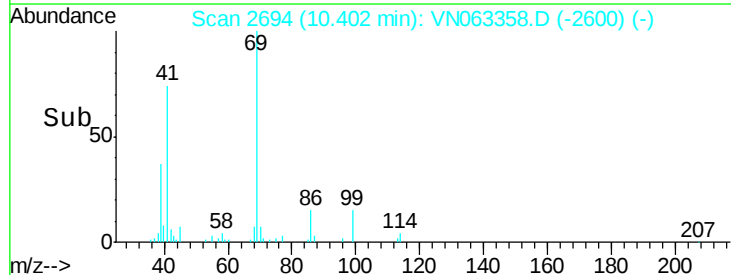
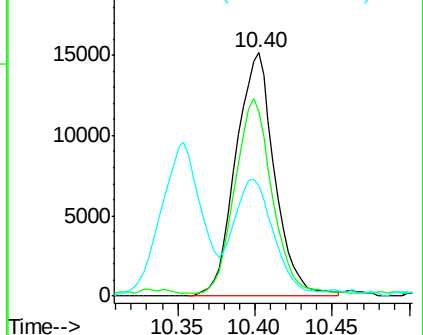
Tgt Ion:	69	Resp:	26453
Ion	Ratio	Lower	Upper
69	100		
41	77.6	61.0	91.6
39	47.1	39.2	58.8



Abundance Ion 69.00 (68.70 to 69.70): VN063358.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN063358.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN063358.D (-2600) (-)





#57

1,3-Dichloropropane

Concen: 5.569 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 32627

Ion Ratio Lower Upper

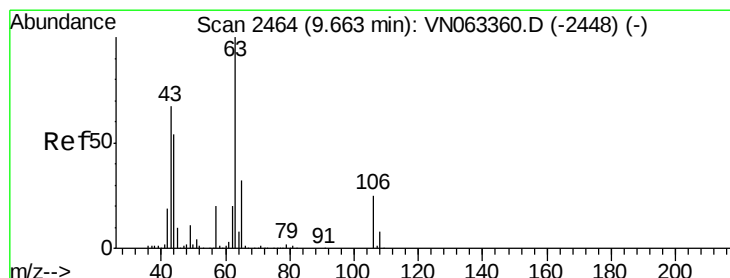
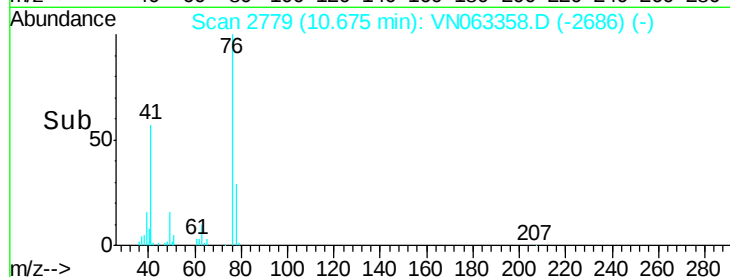
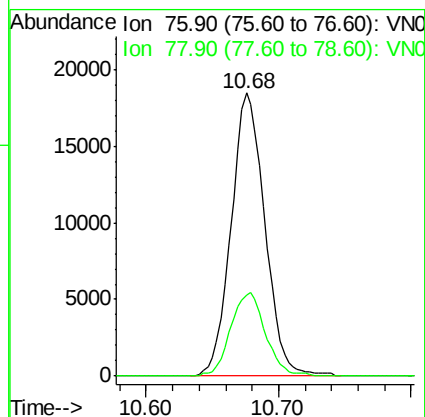
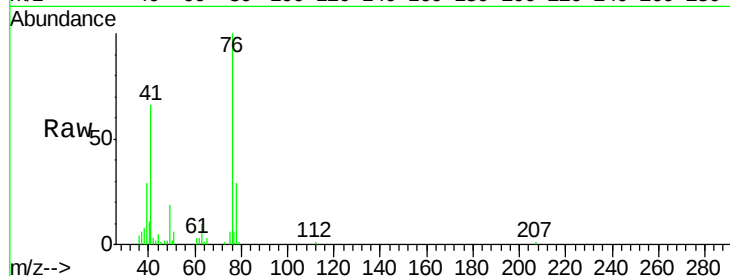
76 100

78 30.4 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 25.761 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063358.D

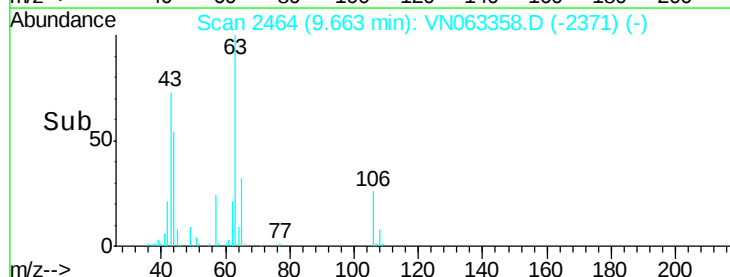
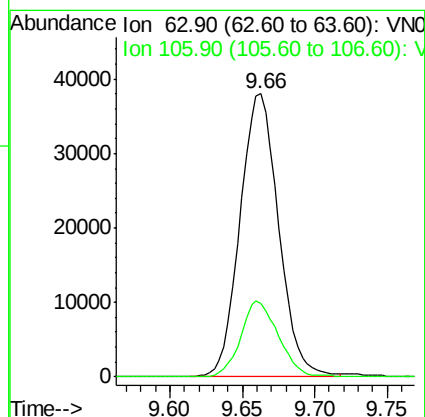
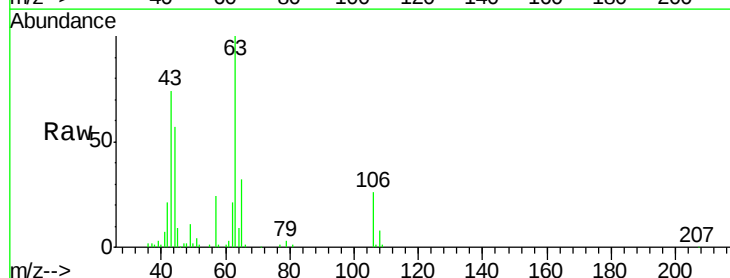
Acq: 16 Sep 2020 11:08

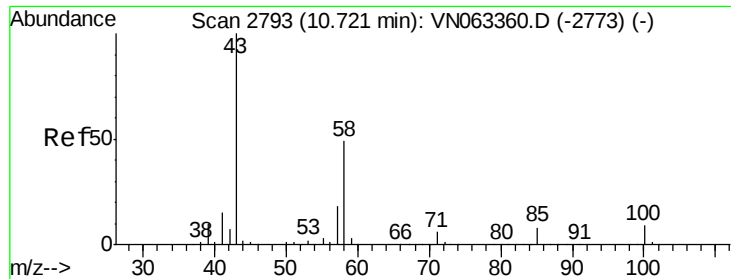
Tgt Ion: 63 Resp: 70526

Ion Ratio Lower Upper

63 100

106 26.2 19.5 29.3





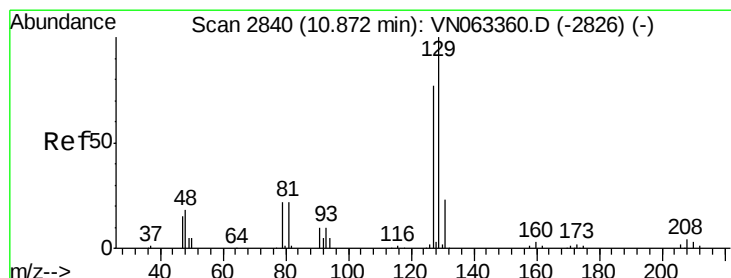
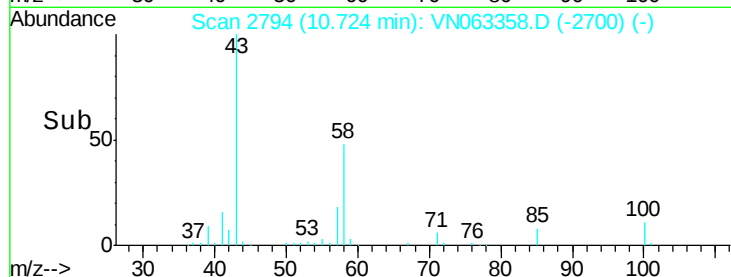
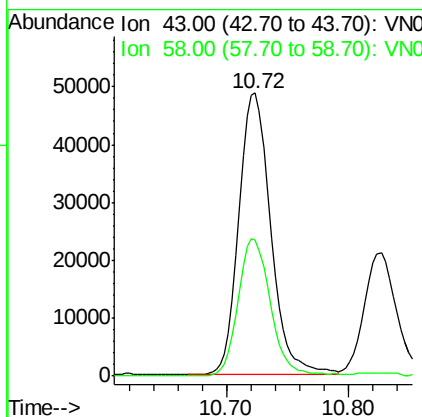
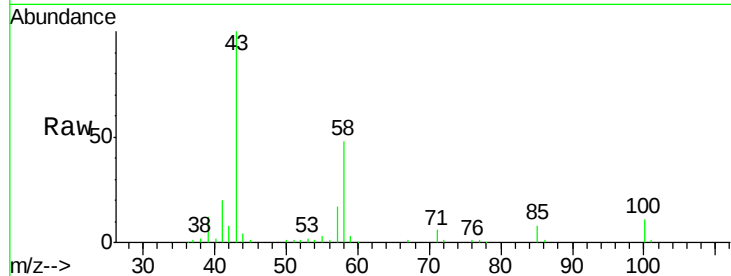
#59
2-Hexanone
Concen: 26.507 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 88279
Ion Ratio Lower Upper
43 100
58 49.2 24.7 74.1

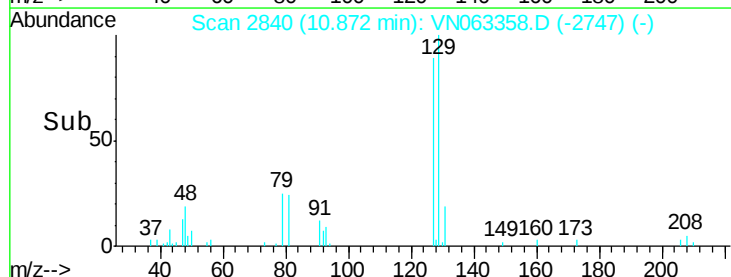
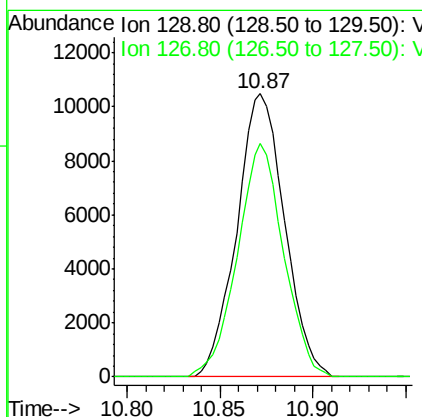
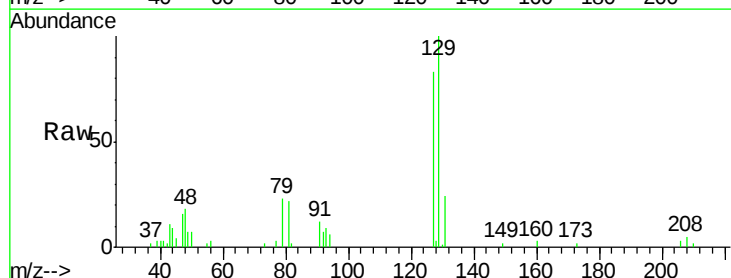
Manual Integrations
APPROVED

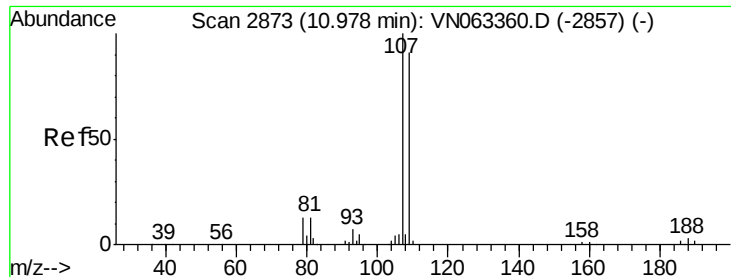
MMDadoda
9/17/2020 1:07:48 PM



#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion: 129 Resp: 18732
Ion Ratio Lower Upper
129 100
127 79.6 39.1 117.3





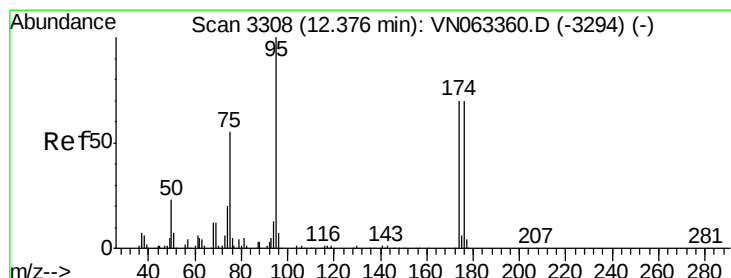
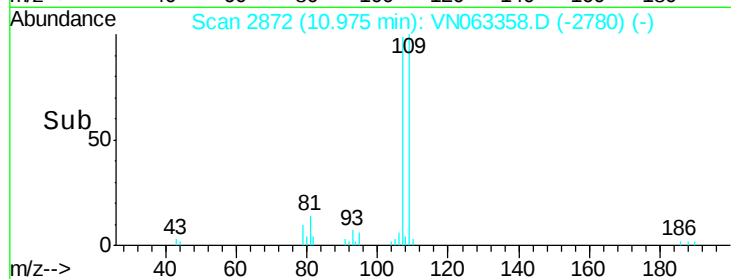
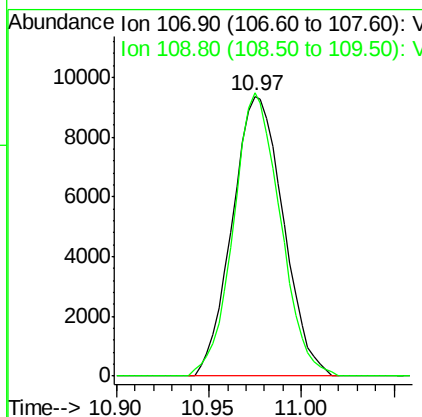
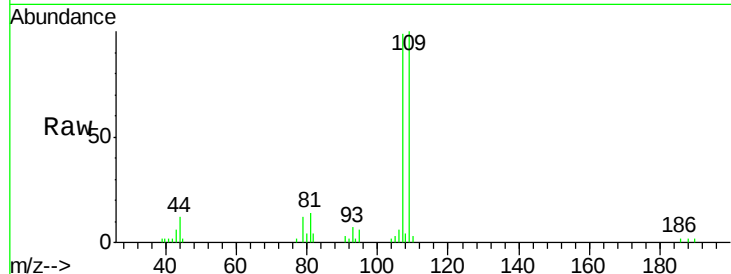
#61
 1,2-Dibromoethane
 Concen: 5.135 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.6	111.8

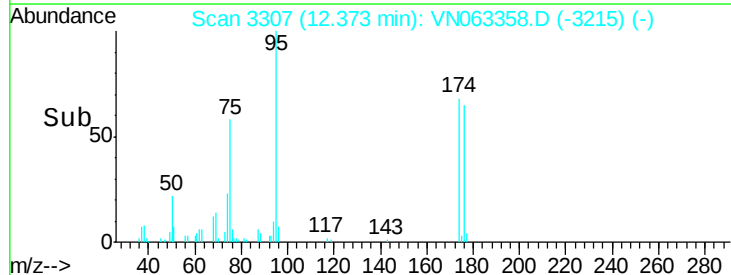
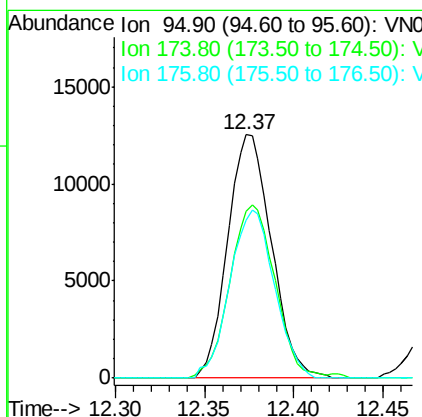
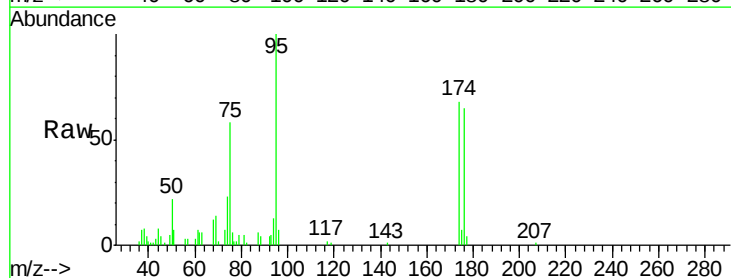
Manual Integrations
 APPROVED

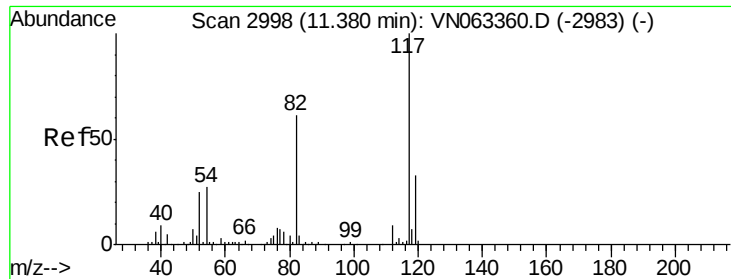
MMDadoda
 9/17/2020 1:07:48 PM



#62
 4-Bromofluorobenzene
 Concen: 4.933 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	140.8
176	70.2	0.0	137.6





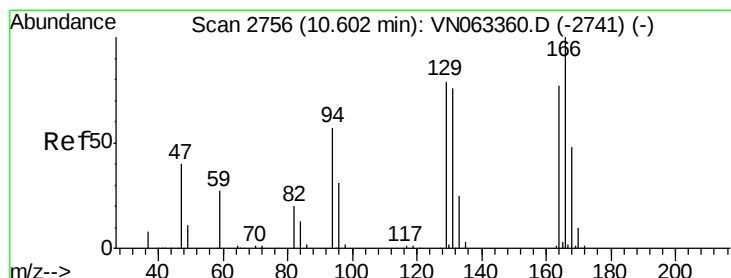
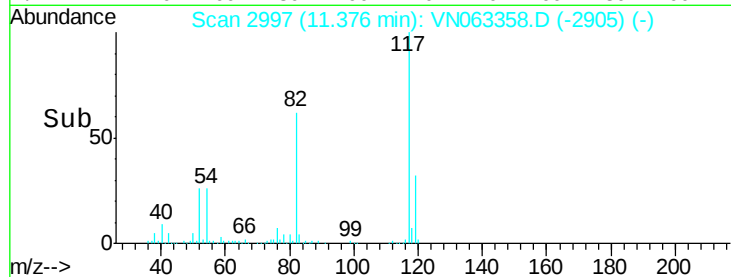
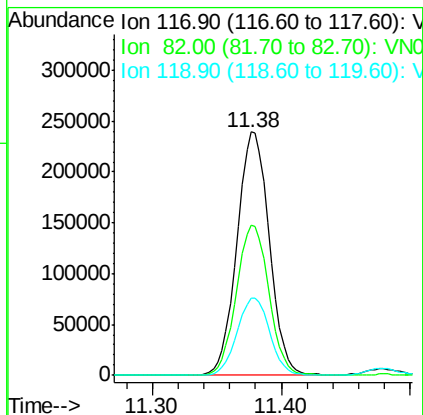
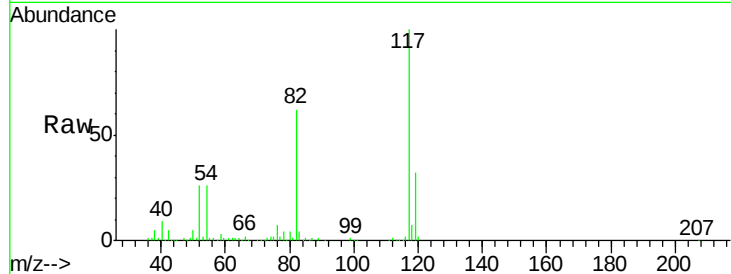
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	417943		
82	61.9	49.2	73.8	
119	31.5	26.2	39.4	

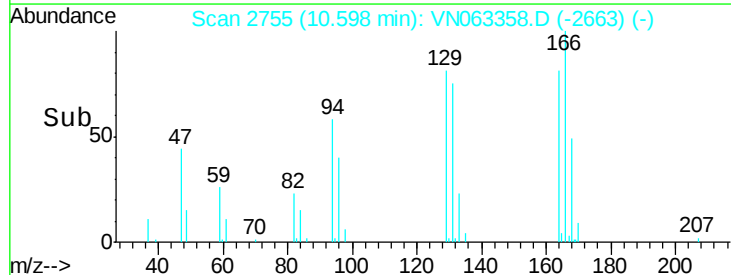
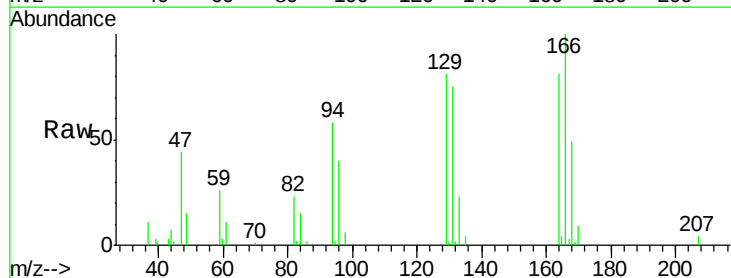
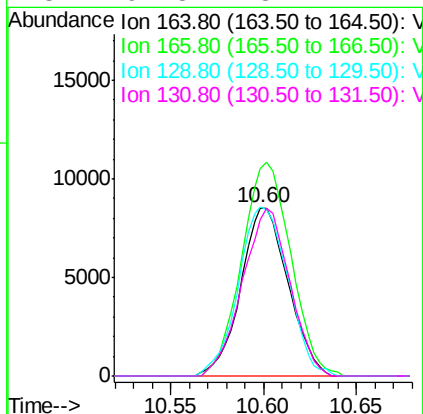
Manual Integrations
APPROVED

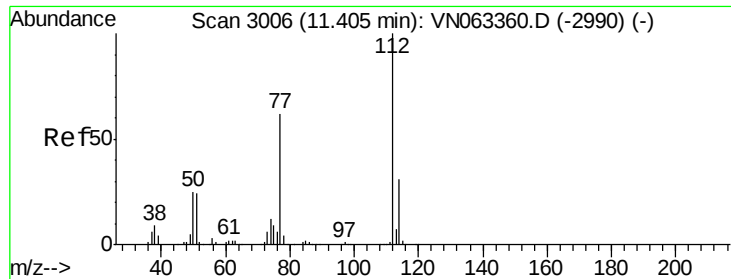
MMDadoda
9/17/2020 1:07:48 PM



#64
Tetrachloroethene
Concen: 4.539 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	15117		
166	123.2	103.4	155.0	
129	100.1	81.8	122.6	
131	92.8	78.2	117.4	





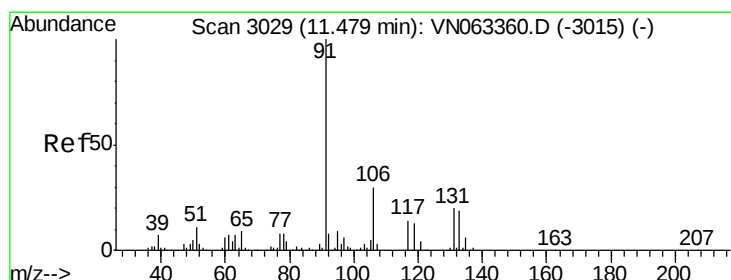
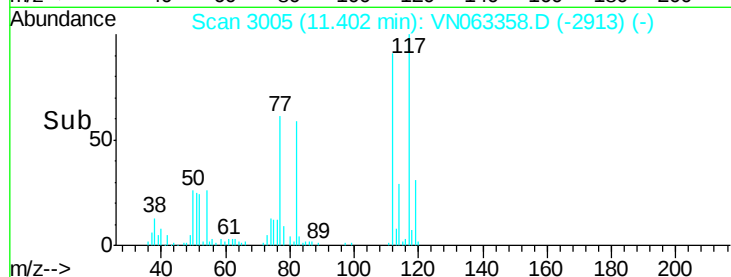
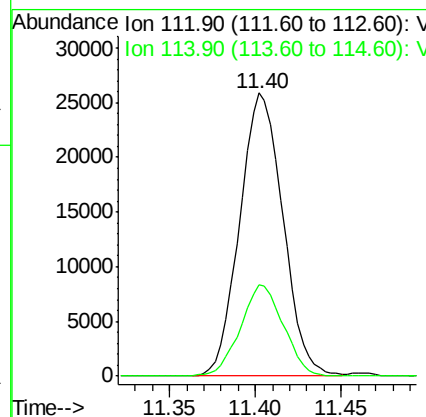
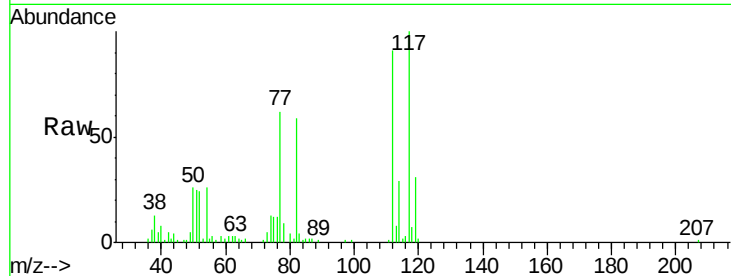
#65
Chlorobenzene
Concen: 5.009 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 45180
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6

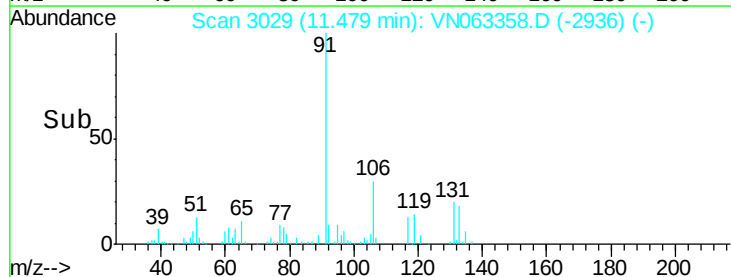
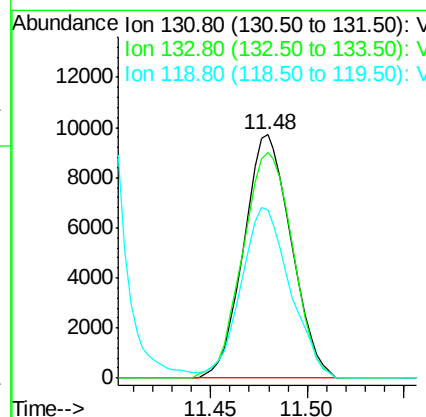
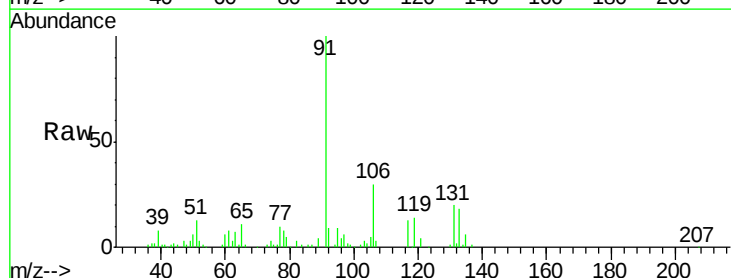
Manual Integrations
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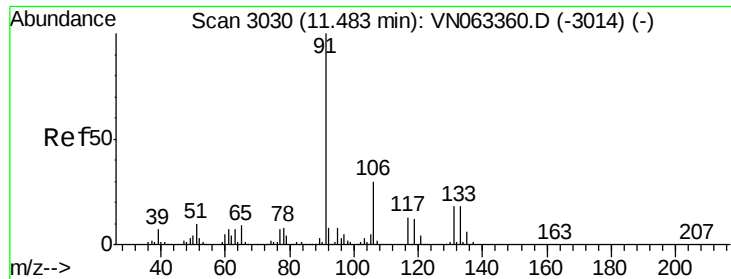
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.042 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion:131 Resp: 16599
Ion Ratio Lower Upper
131 100
133 97.5 47.3 141.9
119 72.6 33.6 100.8





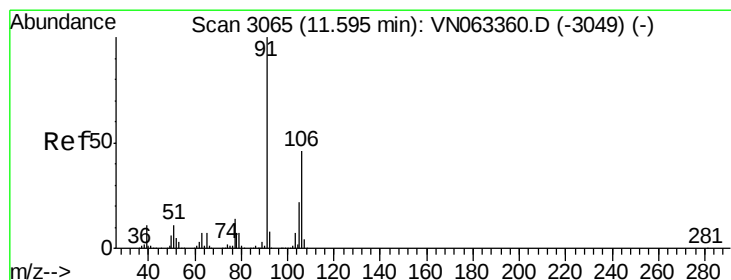
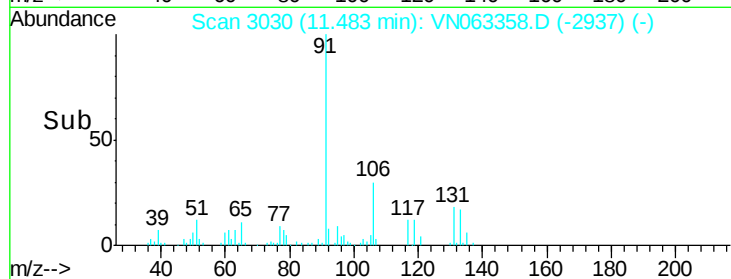
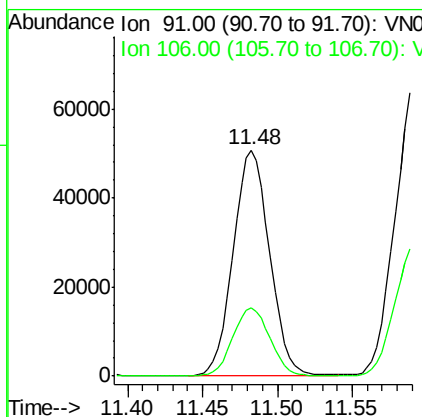
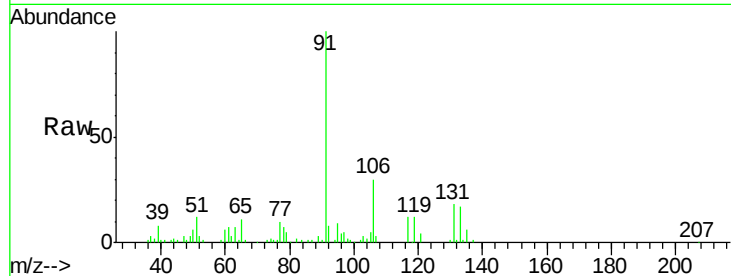
#67
Ethyl Benzene
Concen: 5.302 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 86119
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6

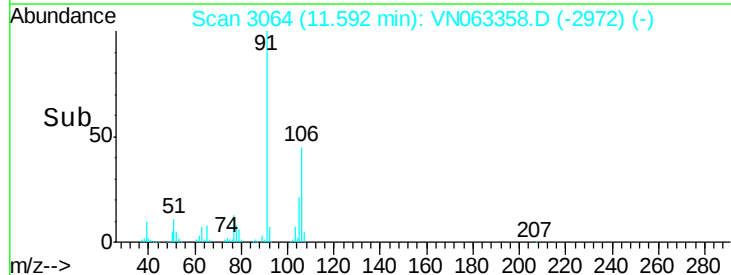
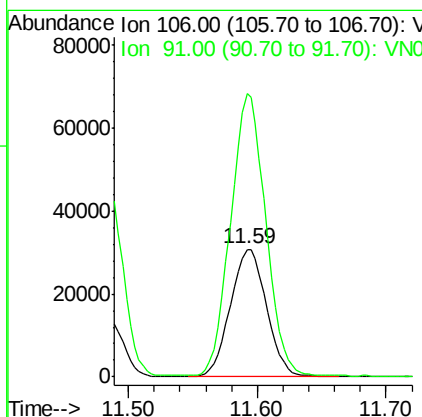
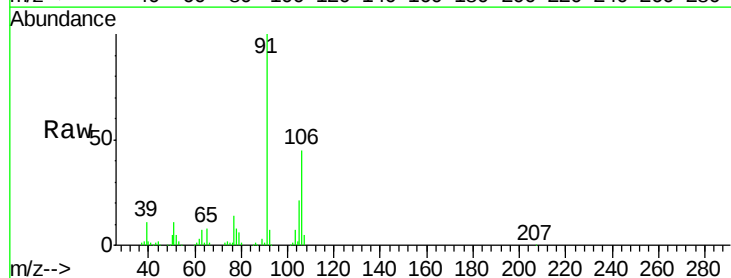
Manual Integrations
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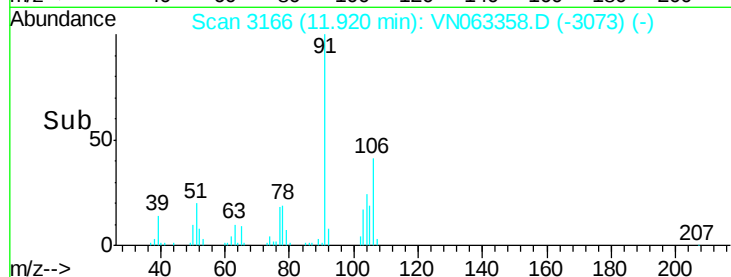
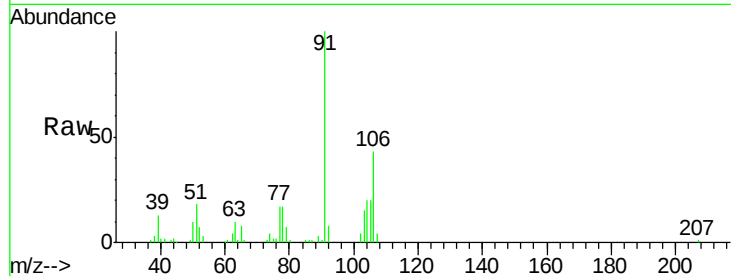
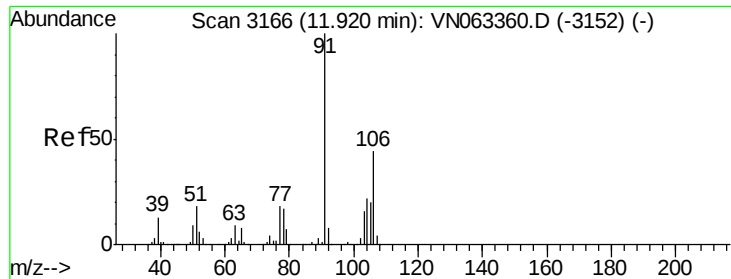
MMDadoda
9/17/2020 1:07:48 PM



#68
m/p-Xylenes
Concen: 9.989 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion: 106 Resp: 60076
Ion Ratio Lower Upper
106 100
91 214.6 171.2 256.8





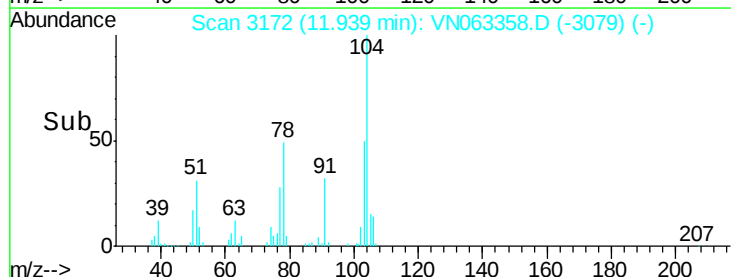
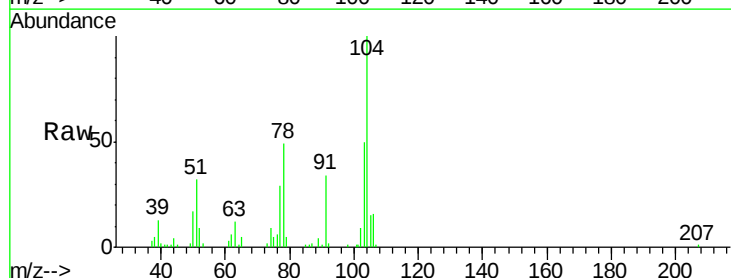
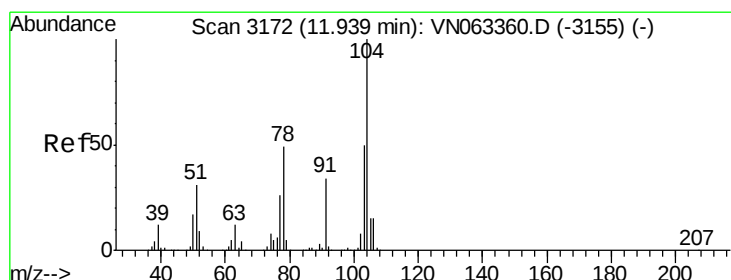
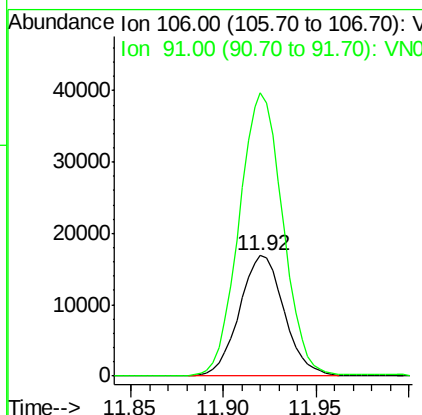
#69
o-Xylene
Concen: 4.927 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tot Ion:106 Resp: 28363
Ion Ratio Lower Upper
106 100
91 230.1 113.6 340.8

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

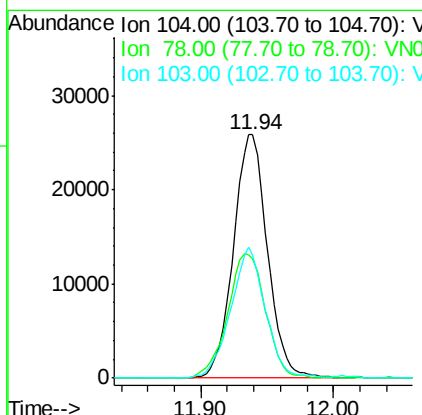
Manual Integrations
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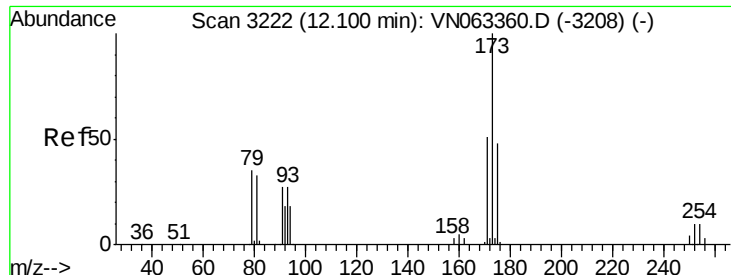
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#70
Styrene
Concen: 4.802 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion:104 Resp: 46105
Ion Ratio Lower Upper
104 100
78 56.7 44.4 66.6
103 54.6 43.7 65.5





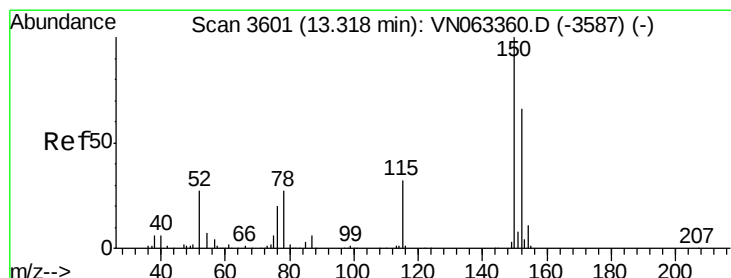
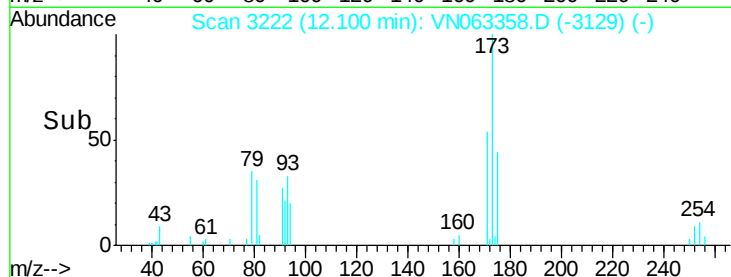
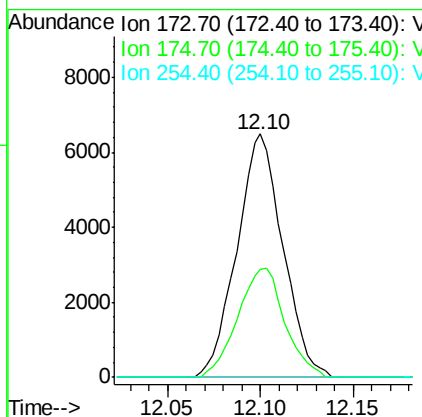
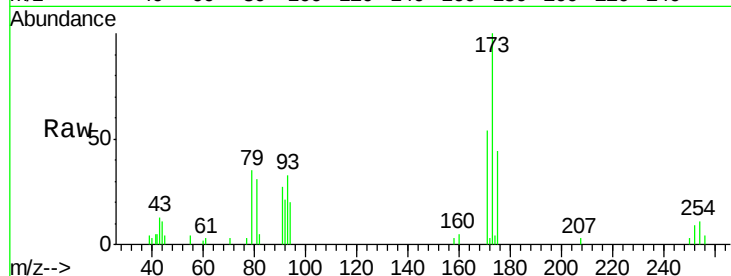
#71
Bromoform
Concen: 4.828 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.8	24.0	72.0
254	0.0	0.0	0.0

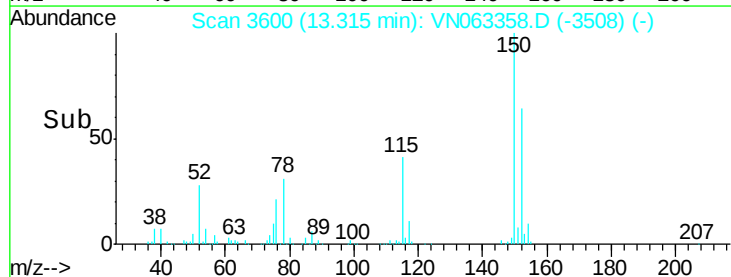
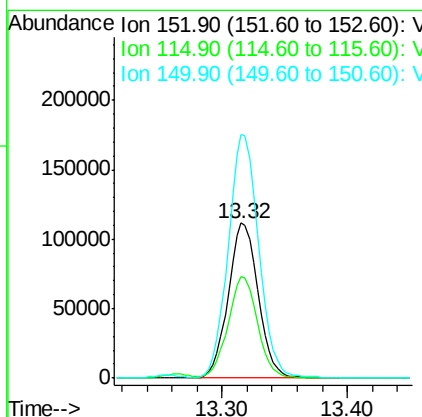
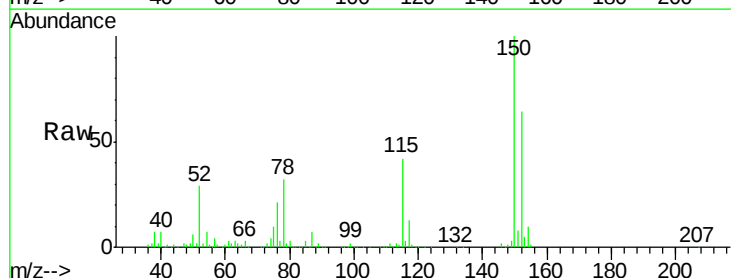
Manual Integrations
APPROVED

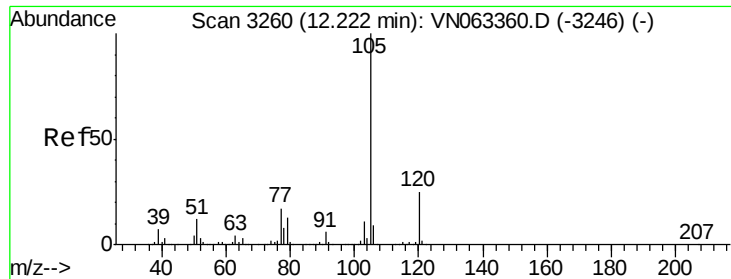
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	32.2	96.6
150	157.8	0.0	343.4





#73

Isopropylbenzene

Concen: 5.236 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 78380

Ion Ratio Lower Upper

105 100

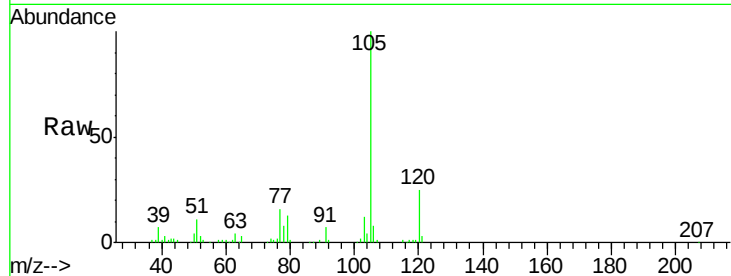
120 25.1 12.7 38.0

Manual Integrations

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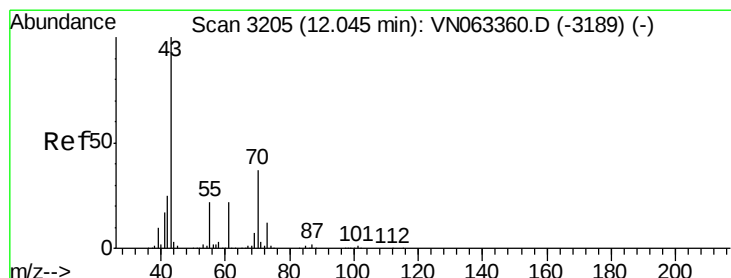
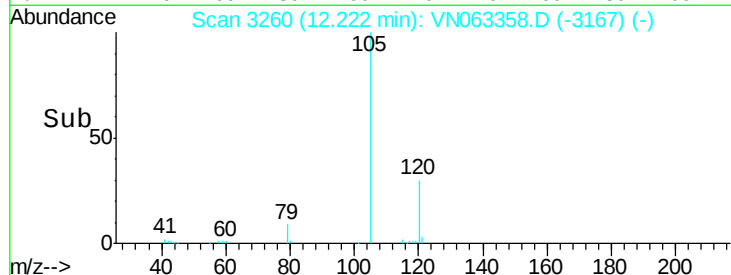
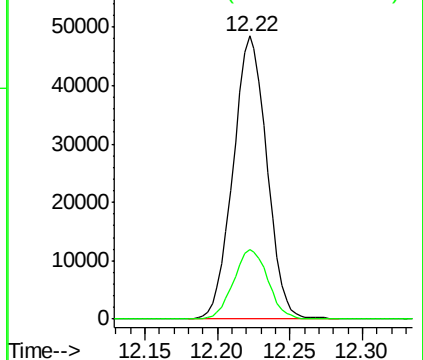
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.685 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Tgt Ion: 43 Resp: 35300

Ion Ratio Lower Upper

43 100

70 34.1 29.6 44.4

55 22.8 17.7 26.5

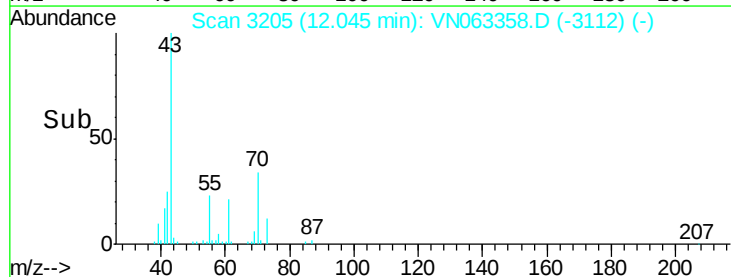
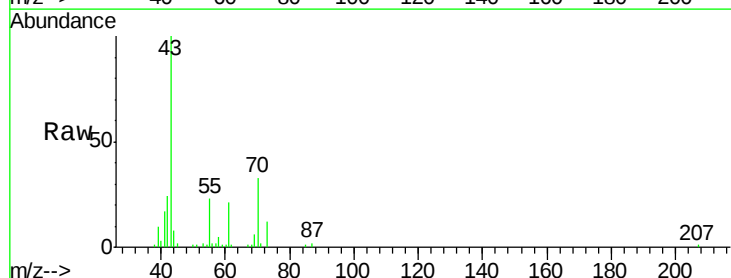
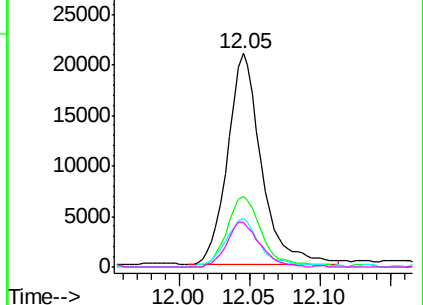
61 20.7 17.4 26.2

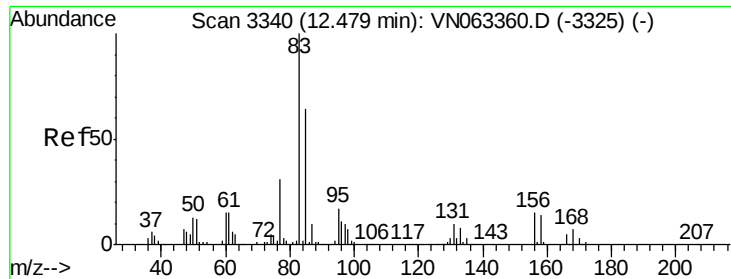
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.493 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

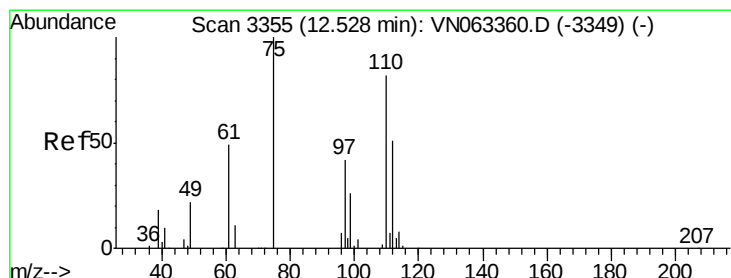
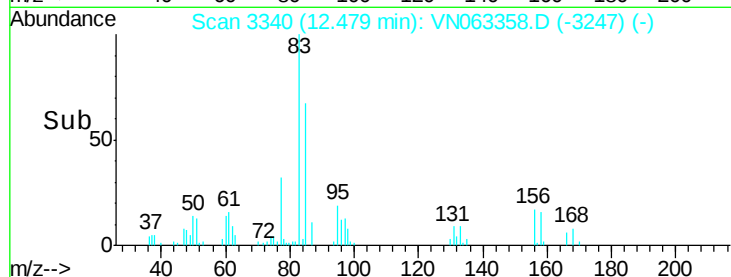
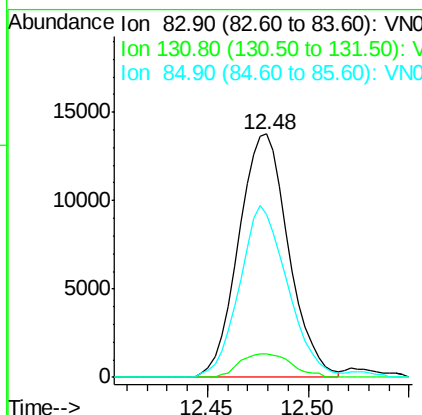
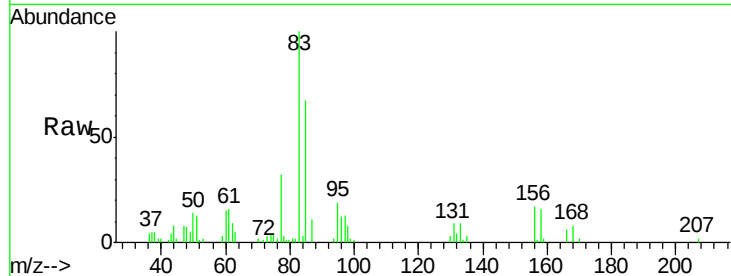
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23817
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.9	14.7
85	68.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.775 ug/l m

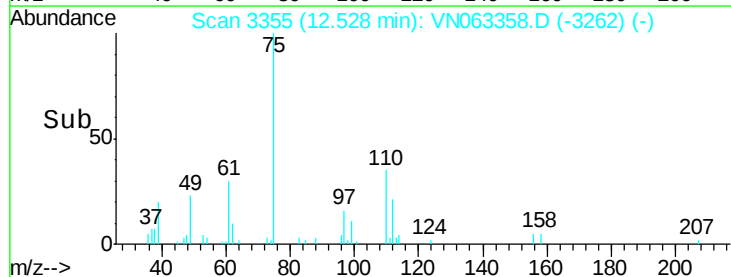
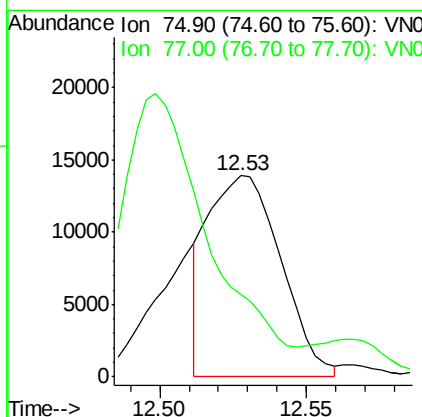
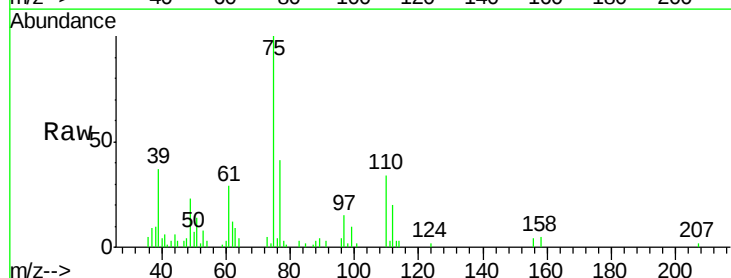
RT: 12.53 min Scan# 3355

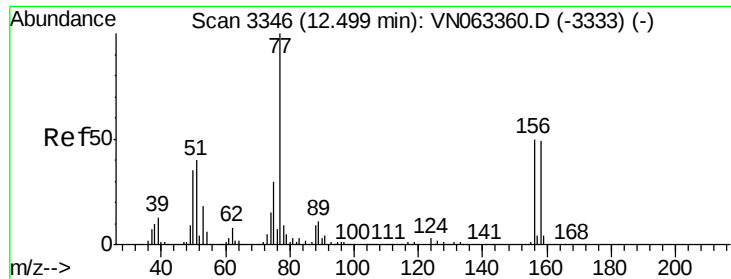
Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Tgt Ion:	75	Resp:	24116
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





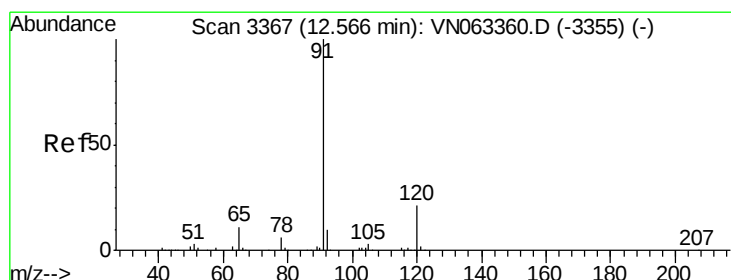
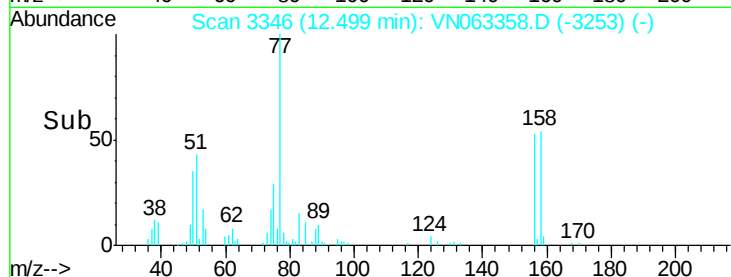
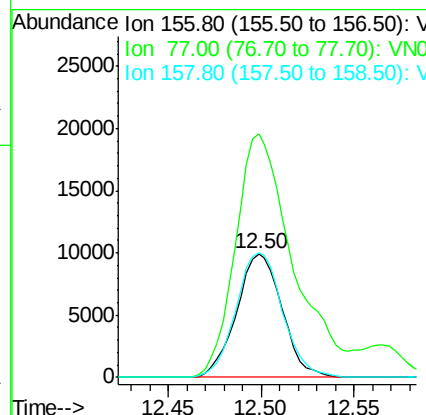
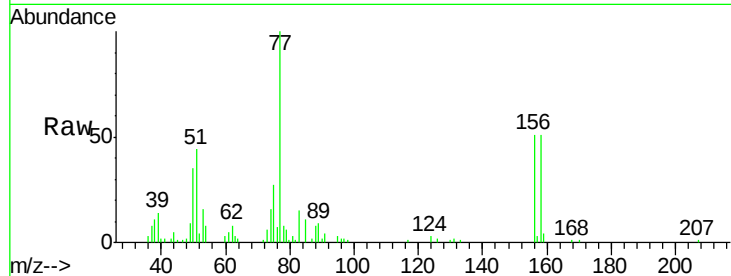
#77
Bromobenzene
Concen: 4.922 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	249.2	120.2	360.6	
158	103.4	48.9	146.6	

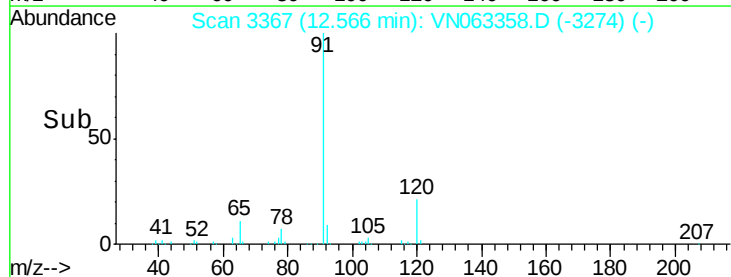
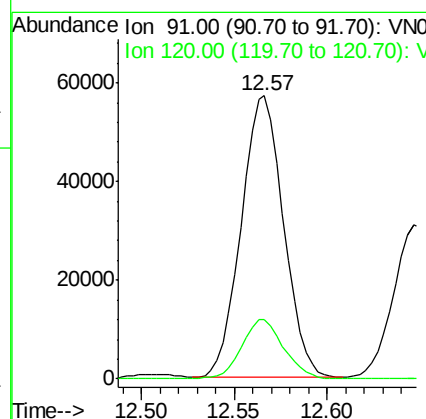
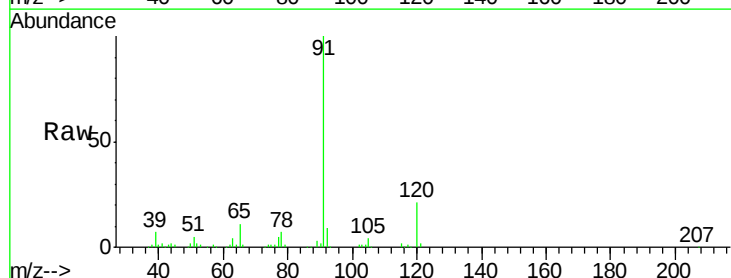
Manual Integrations
APPROVED

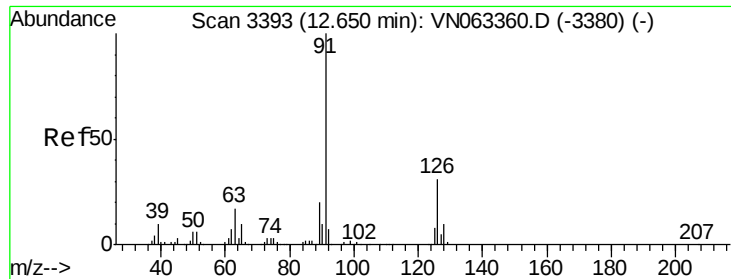
MMDadoda
9/17/2020 1:07:48 PM



#78
n-propylbenzene
Concen: 5.299 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.1	10.8	32.3	





#79

2-Chlorotoluene

Concen: 4.906 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 51211

Ion Ratio Lower Upper

91 100

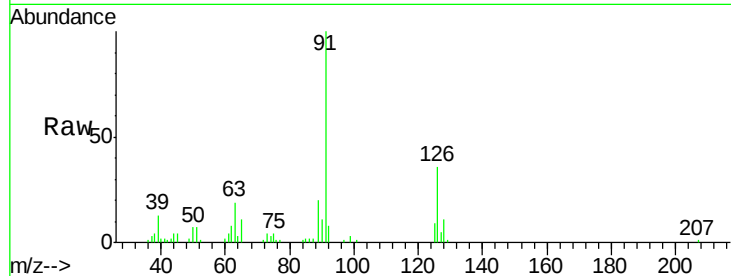
126 34.6 15.8 47.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

60000

50000

40000

30000

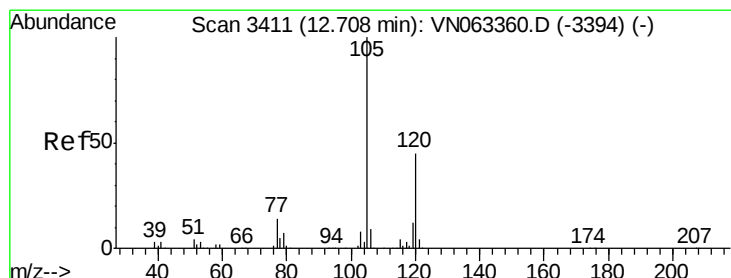
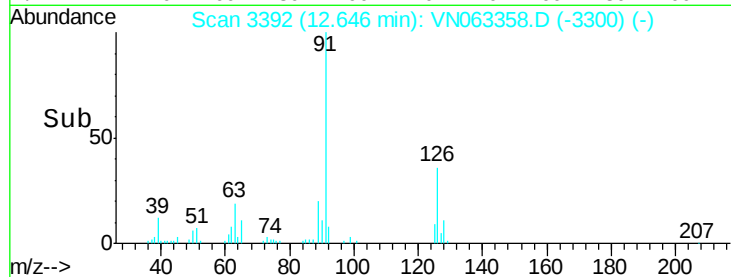
20000

10000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.225 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063358.D

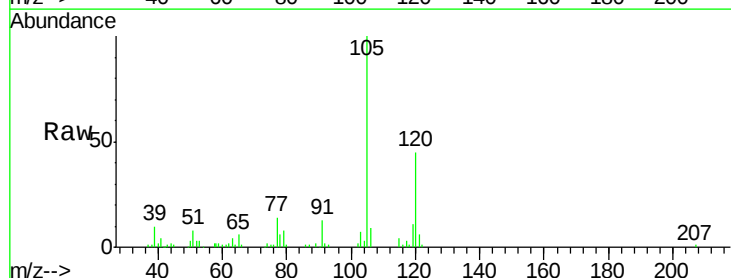
Acq: 16 Sep 2020 11:08

Tgt Ion:105 Resp: 64974

Ion Ratio Lower Upper

105 100

120 46.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

40000

30000

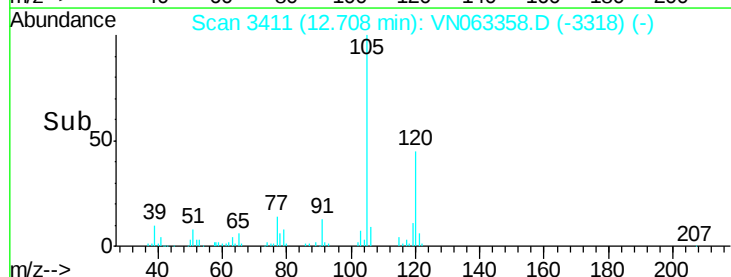
20000

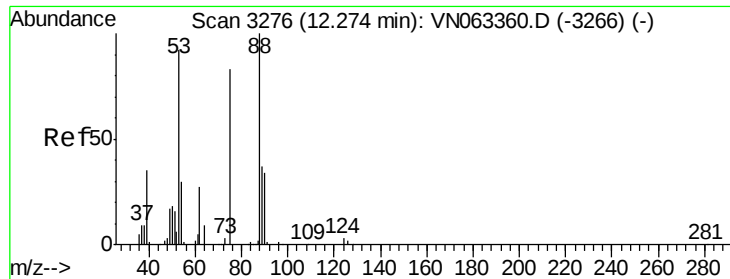
10000

0

12.65 12.70 12.75

Time-->





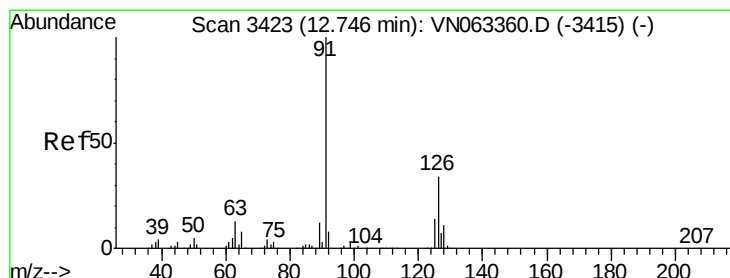
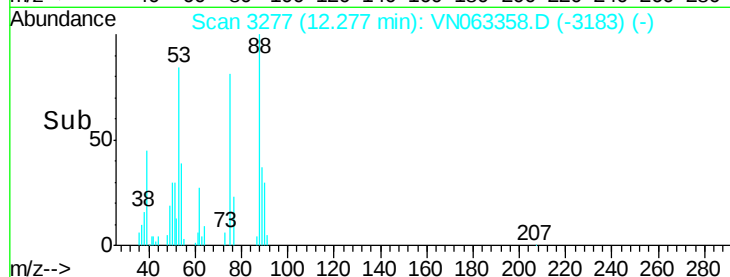
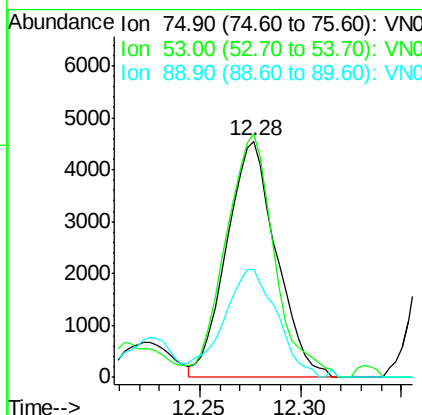
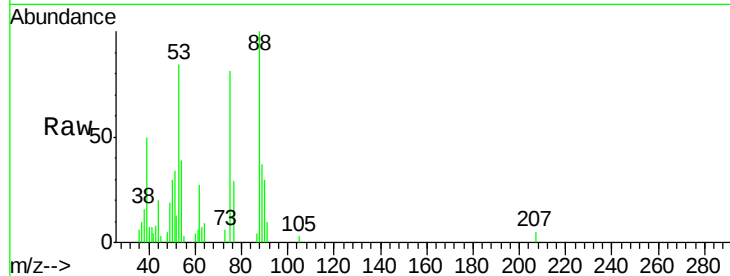
#81
trans-1,4-Dichloro-2-butene
Concen: 5.092 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.2	85.7	128.5
89	49.7	38.0	57.0

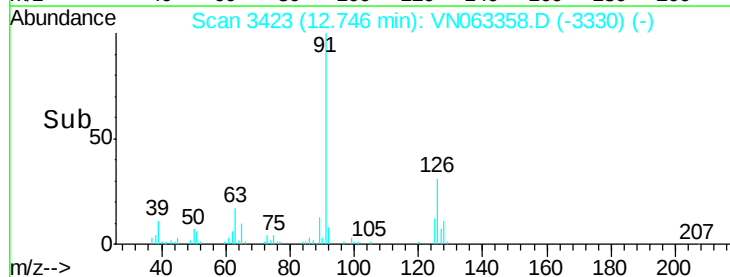
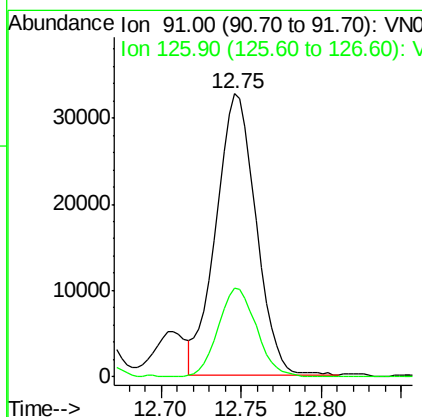
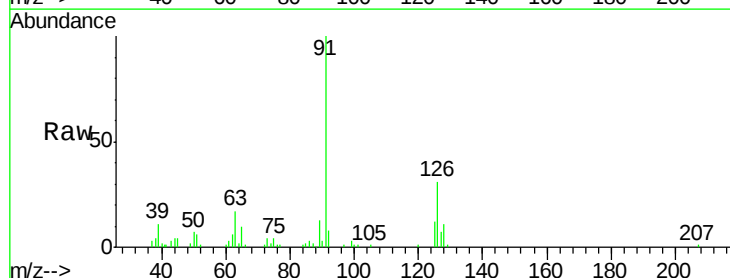
Manual Integrations
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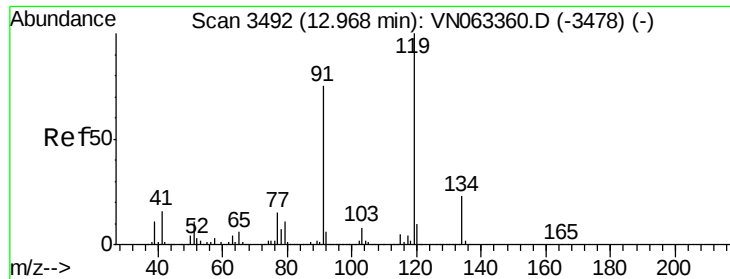
MMDadoda
9/17/2020 1:07:48 PM



#82
4-Chlorotoluene
Concen: 5.069 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.5	46.5





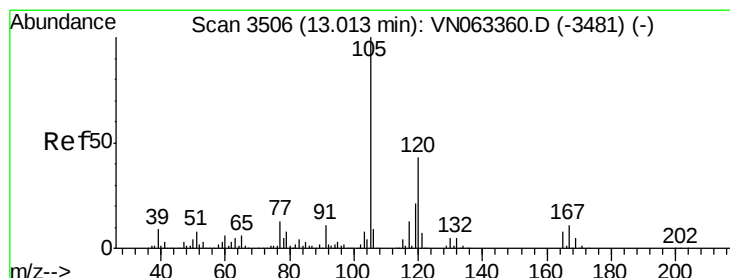
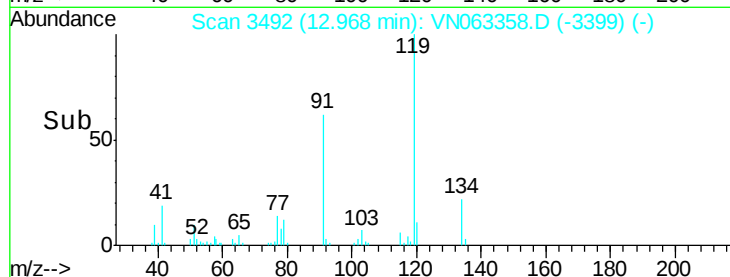
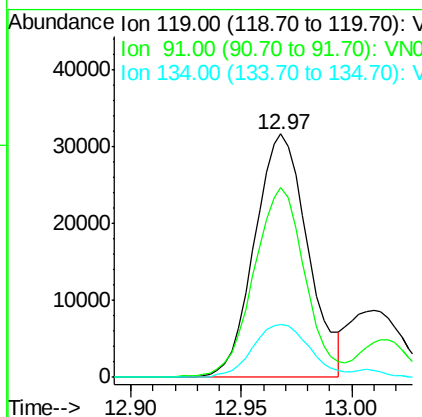
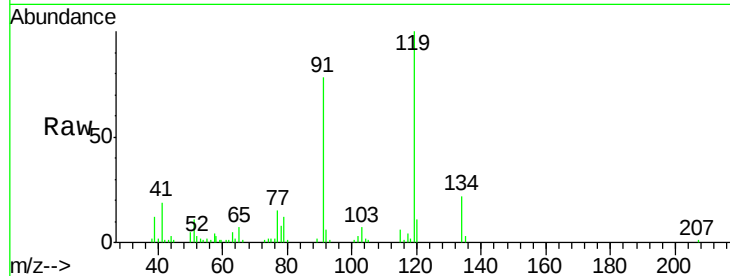
#83
 tert-Butylbenzene
 Concen: 5.014 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.4	36.3	108.9
134	23.1	12.3	36.8

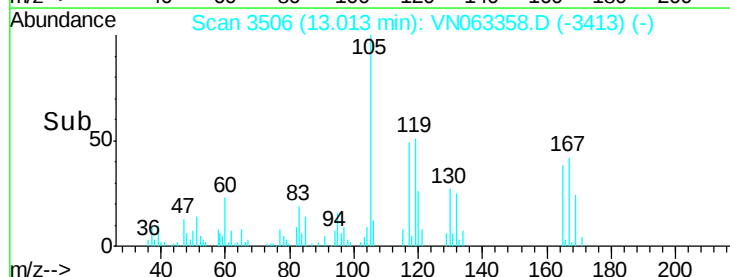
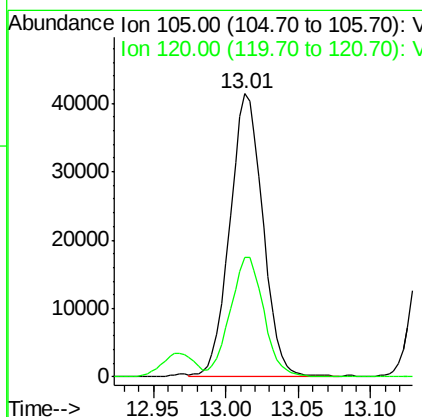
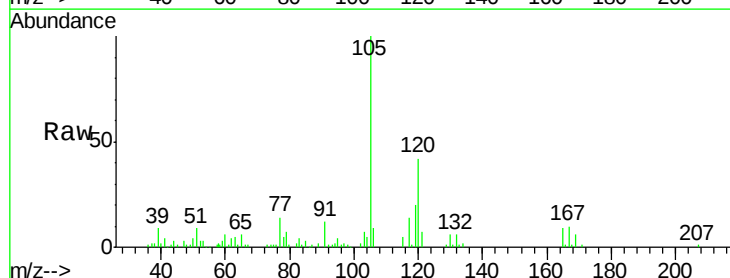
Manual Integrations
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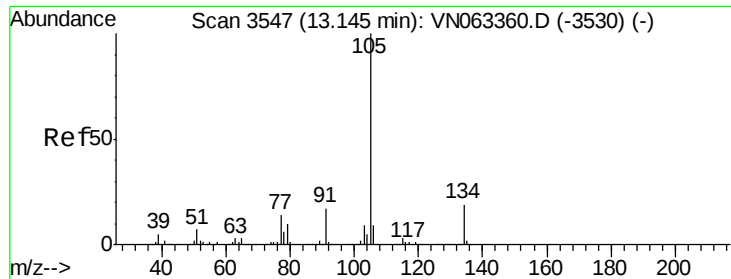
MMDadoda
 9/17/2020 1:07:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.219 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.3	63.9





#85

sec-Butylbenzene

Concen: 5.363 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 71913

Ion Ratio Lower Upper

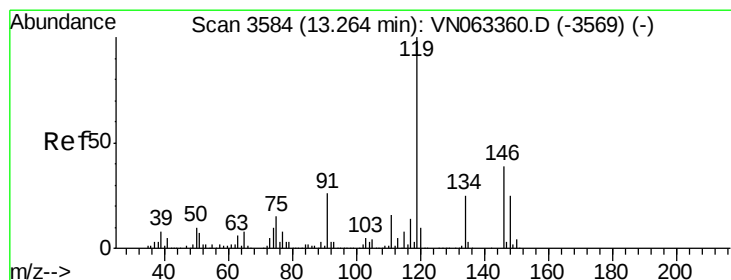
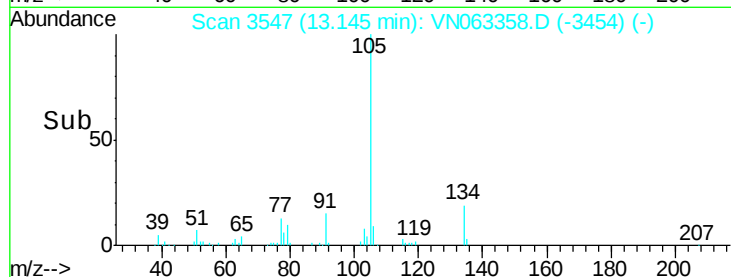
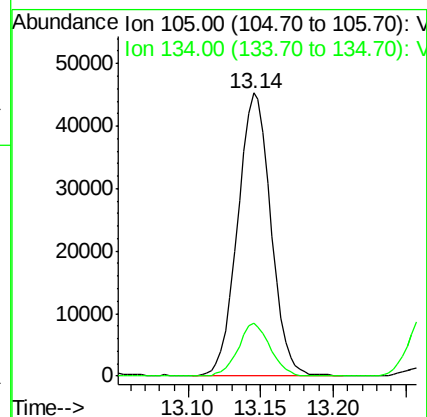
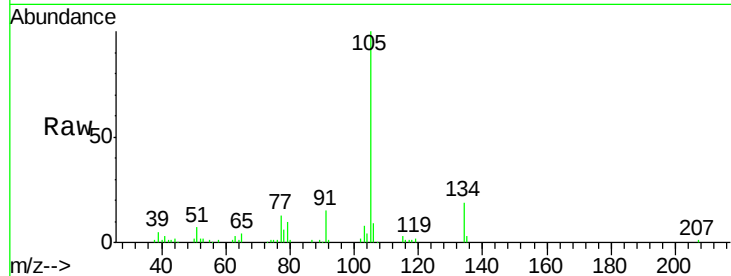
105 100

134 18.0 9.3 27.7

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 5.000 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

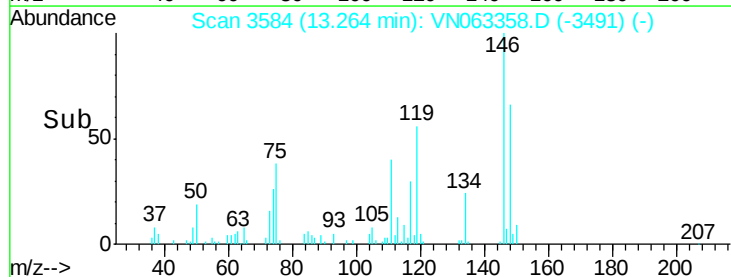
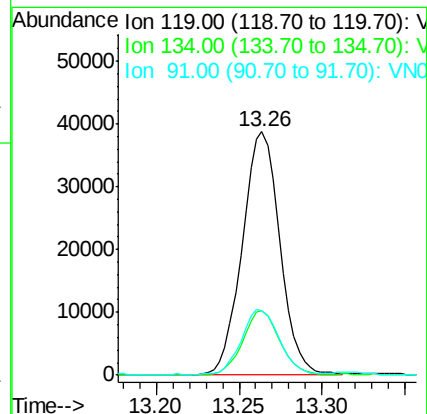
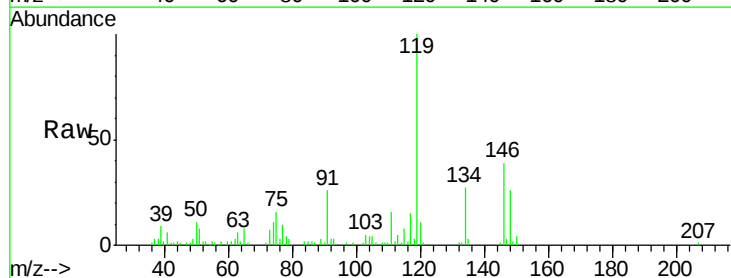
Tgt Ion:119 Resp: 61330

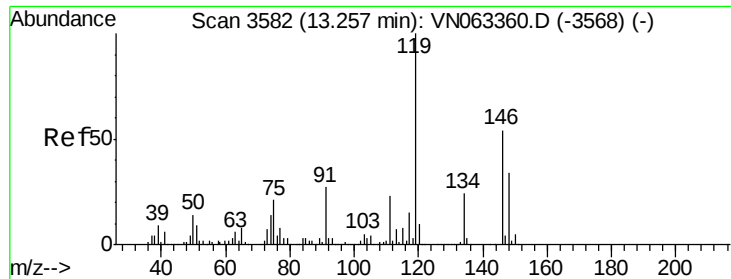
Ion Ratio Lower Upper

119 100

134 26.0 12.5 37.5

91 27.3 13.4 40.1





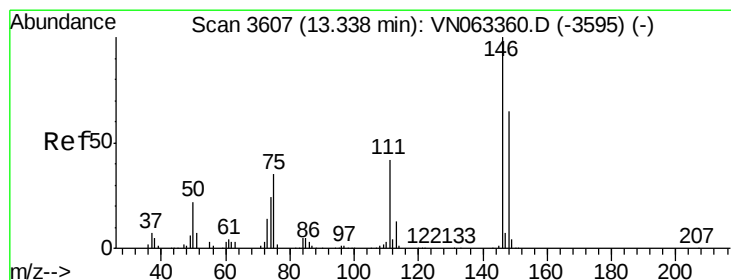
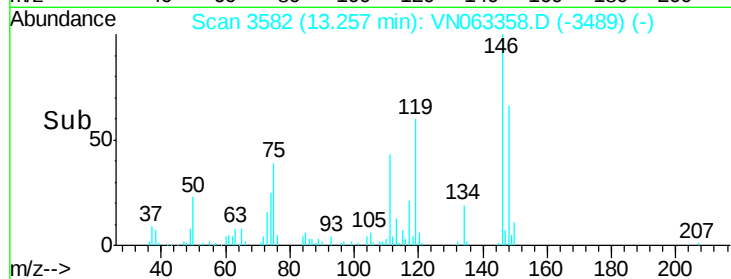
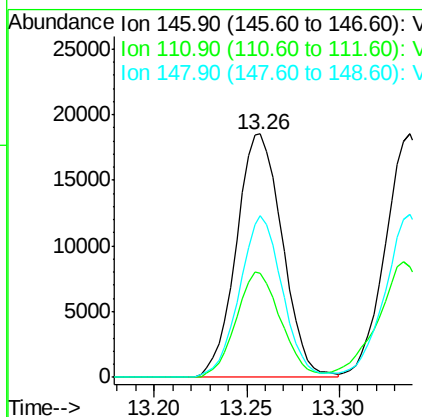
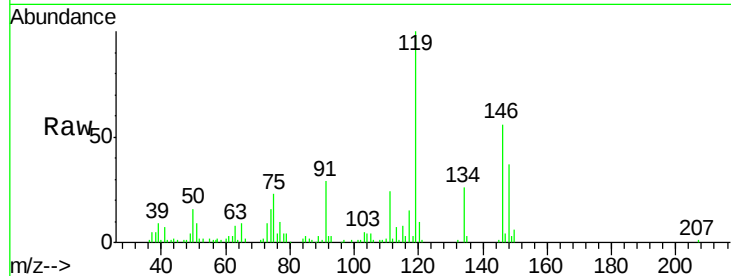
#87
 1,3-Dichlorobenzene
 Concen: 5.093 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.3
148	61.4	31.9	95.7

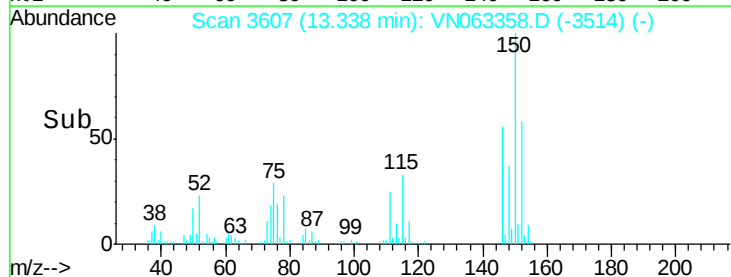
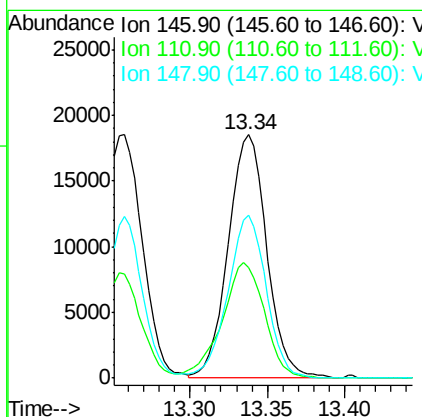
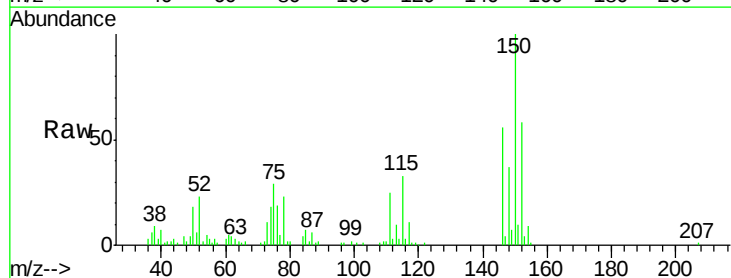
Manual Integrations
 APPROVED

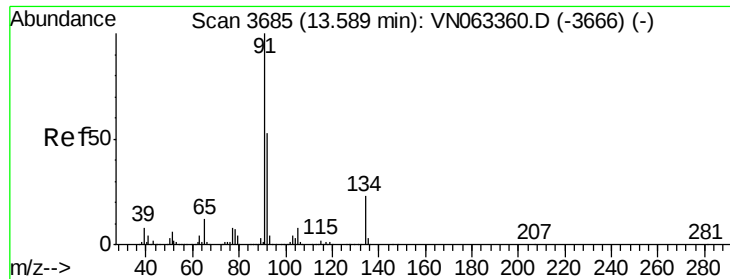
MMDadoda
 9/17/2020 1:07:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.897 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.4	21.2	63.6
148	66.9	31.9	95.9





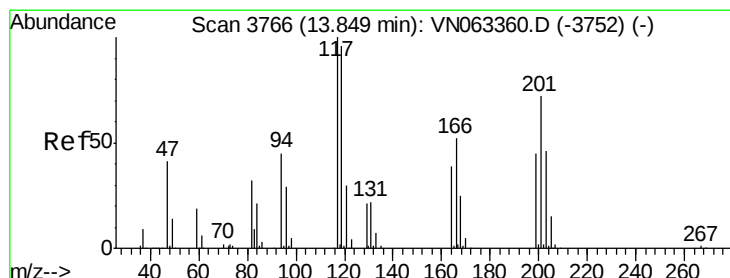
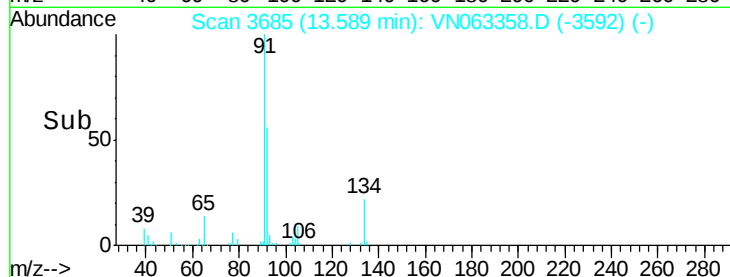
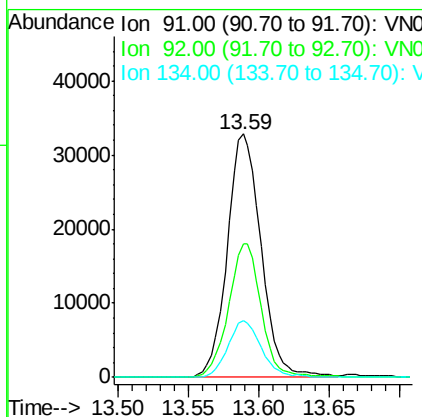
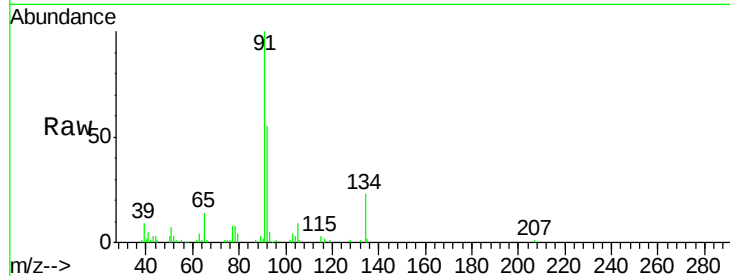
#89
n-Butylbenzene
Concen: 4.978 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.0	78.0
134	22.9	11.7	35.0

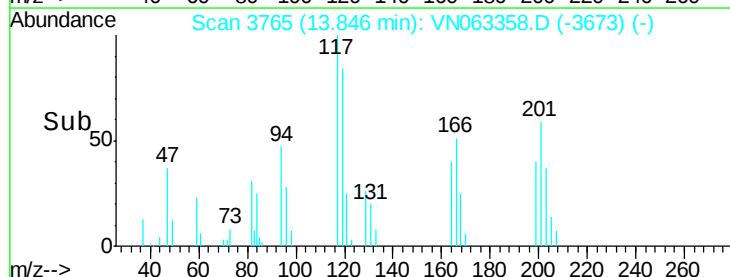
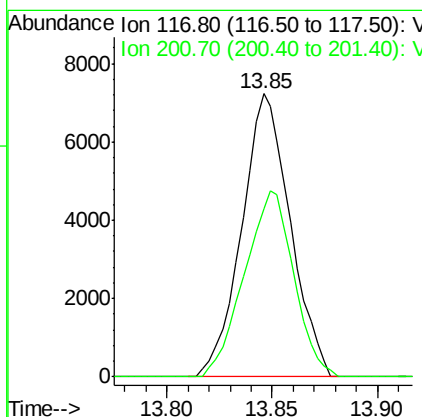
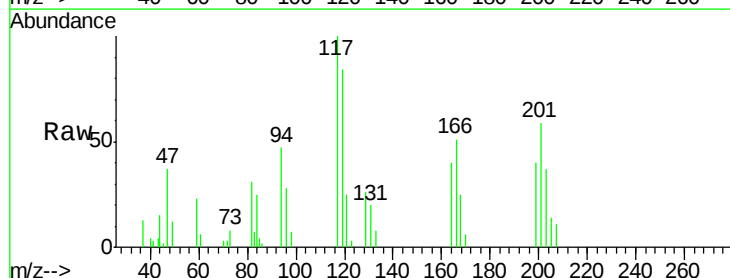
Manual Integrations
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#90
Hexachloroethane
Concen: 5.644 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN063358.D
Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.9	35.5	106.7





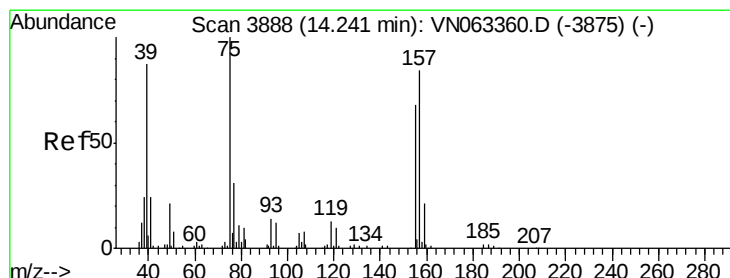
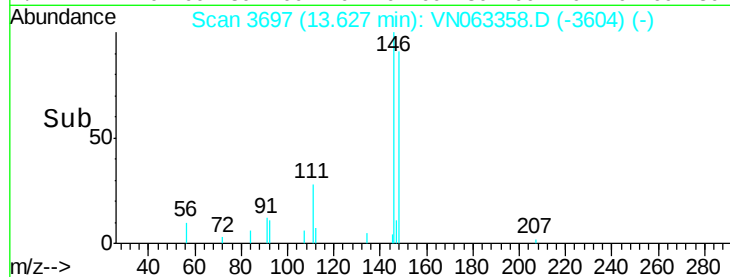
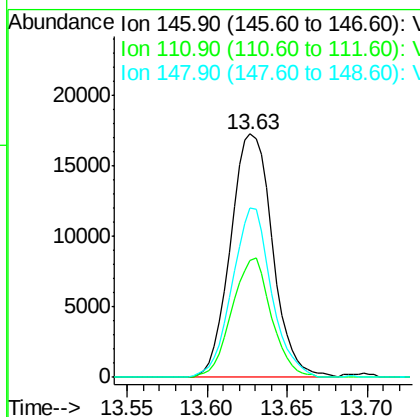
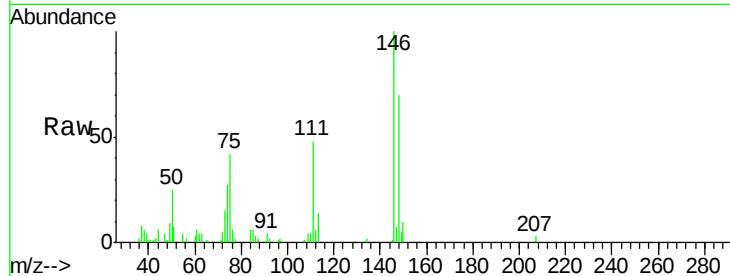
#91
 1,2-Dichlorobenzene
 Concen: 4.949 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.4	67.2
148	65.0	32.0	96.0

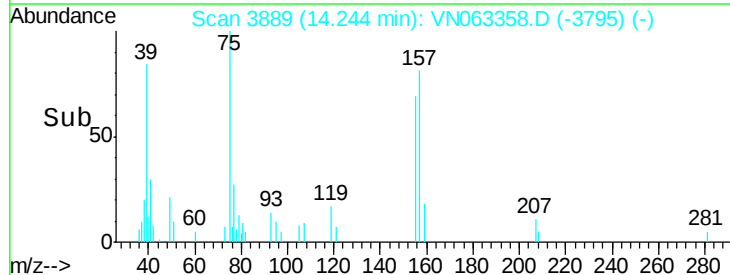
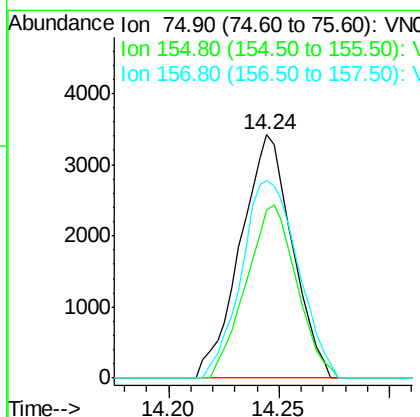
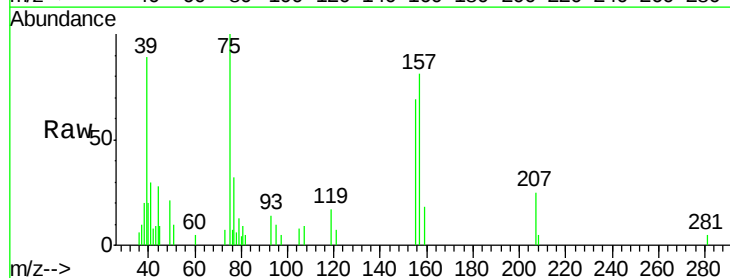
Manual Integrations
 APPROVED

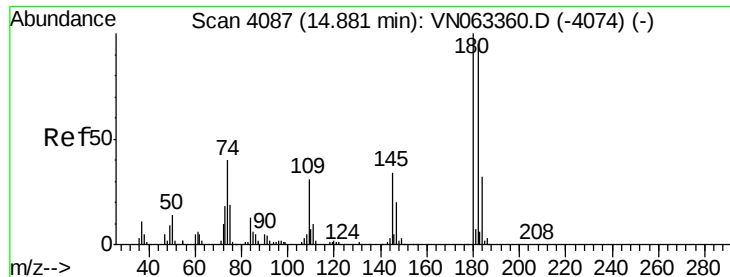
MMDadoda
 9/17/2020 1:07:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.628 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	34.6	103.9
157	88.4	43.7	131.1





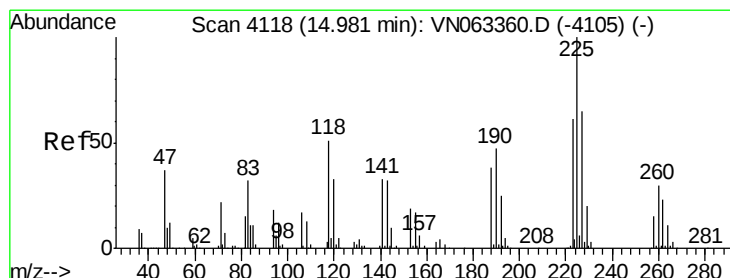
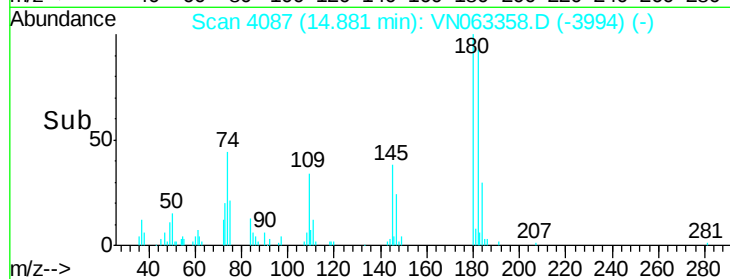
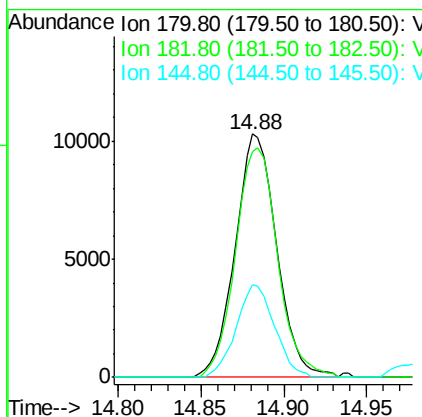
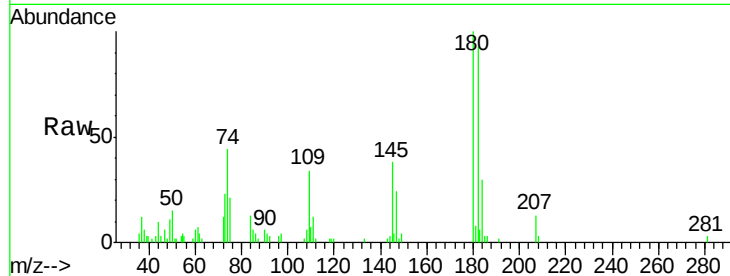
#93
 1,2,4-Trichlorobenzene
 Concen: 4.886 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	142.0
145	35.2	16.6	49.7

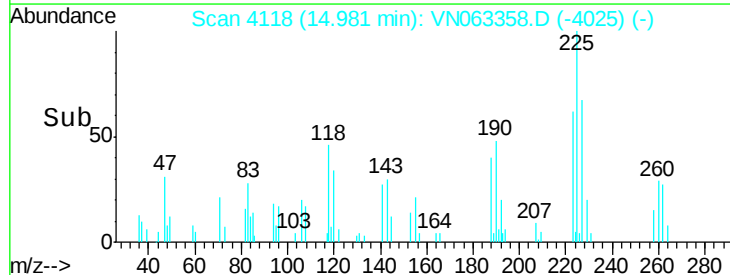
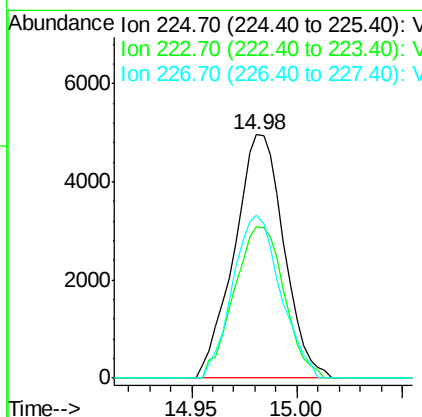
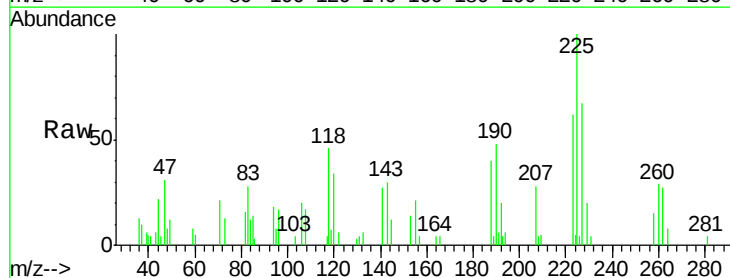
Manual Integrations
 APPROVED

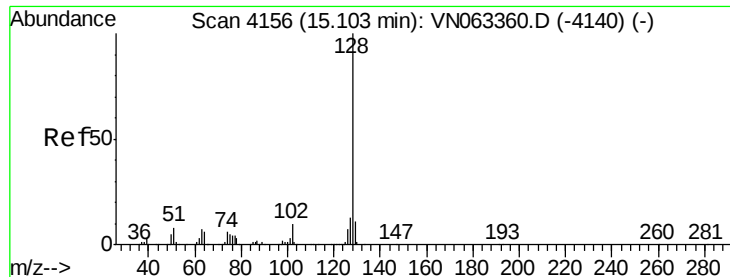
MMDadoda
 9/17/2020 1:07:48 PM



#94
 Hexachlorobutadiene
 Concen: 5.166 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063358.D
 Acq: 16 Sep 2020 11:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.6	91.6
227	64.1	31.2	93.6





#95

Naphthalene

Concen: 4.866 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Instrument :

MSVOA_N

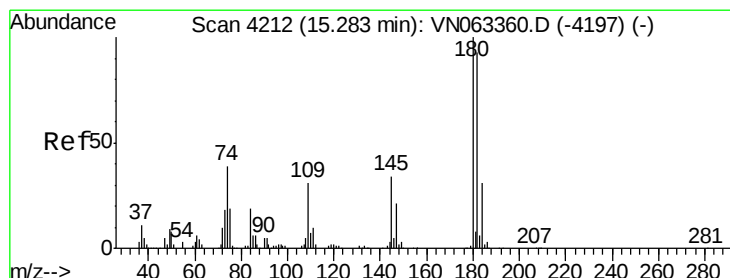
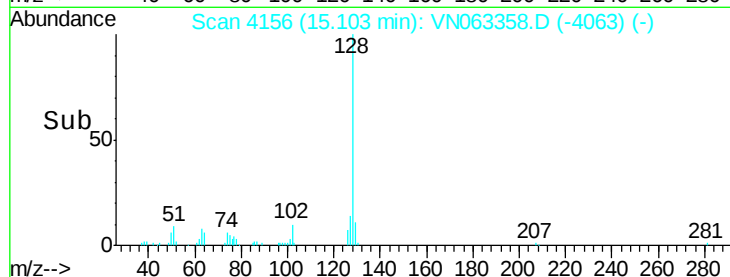
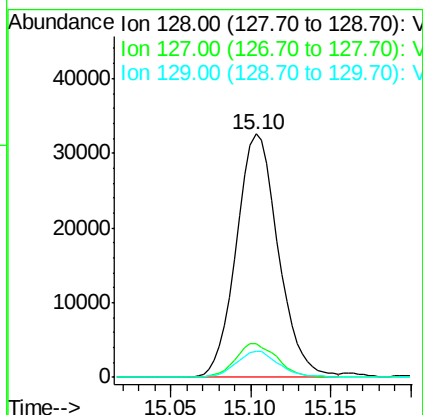
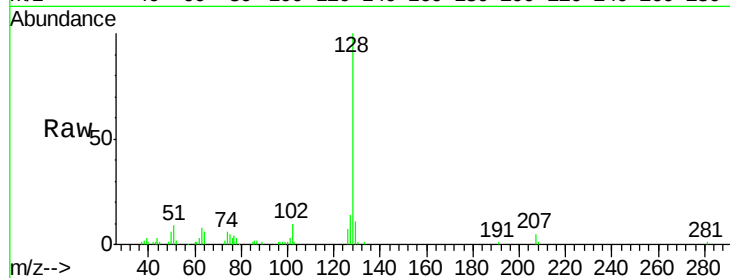
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	58184
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/17/2020 1:07:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.727 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063358.D

Acq: 16 Sep 2020 11:08

Tgt Ion:	180	Resp:	16964
Ion Ratio	Lower	Upper	
180	100		
182	95.6	46.7	140.1
145	35.1	16.8	50.3

