LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
Data File : VD065990.D
Acq On : 21 Jul 2020 19:51
Operator : VA/SY
Sample : L3323-02
Misc : 5.09G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 221

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.408	413	423	433	rBV2	46614	134179	1.40%	0.564%
2	4.961	507	517	528	rBV3	53526	178289	1.86%	0.750%
3	5.191	544	556	571	rBV3	56973	283226	2.96%	1.191%
4	7.202	882	898	919	rBV	3385744	9559945	100.00%	40.197%
5	7.914	1010	1019	1025	rBV	238610	591363	6.19%	2.487%
6	7.979	1025	1030	1042	rVB	361551	818902	8.57%	3.443%
7	8.337	1075	1091	1101	rBV2	202832	608420	6.36%	2.558%
8	8.867	1173	1181	1191	rBV	620855	1260872	13.19%	5.302%
9	9.684	1313	1320	1330	rBV2	71120	168647	1.76%	0.709%
10	10.343	1425	1432	1440	rVB	973699	1744227	18.25%	7.334%
11	10.796	1504	1509	1513	rVV2	63799	119435	1.25%	0.502%
12	10.849	1513	1518	1525	rVB	203528	383313	4.01%	1.612%
13	11.490	1622	1627	1633	rBV	124193	241945	2.53%	1.017%
14	11.649	1648	1654	1663	rVB	975035	1657944	17.34%	6.971%
15	12.090	1724	1729	1735	rBV	116169	194248	2.03%	0.817%
16	12.390	1775	1780	1786	rVB2	89374	159824	1.67%	0.672%
17	12.637	1816	1822	1830	rVB	824674	1400401	14.65%	5.888%
18	12.808	1842	1851	1852	rBV6	158214	367910	3.85%	1.547%
19	12.961	1873	1877	1881	rVB3	75218	108995	1.14%	0.458%
20	13.249	1922	1926	1932	rVB	103094	167375	1.75%	0.704%
21	13.473	1959	1964	1972	rVB2	241783	441747	4.62%	1.857%
22	13.578	1975	1982	1989	rBV	978341	1693330	17.71%	7.120%
23	13.649	1989	1994	1996	rBV5	99915	169432	1.77%	0.712%
24	13.861	2023	2030	2048	rVB3	324044	1122282	11.74%	4.719%
25	14.031	2053	2059	2063	rBV4	93483	206501	2.16%	0.868%

Sum of corrected areas: 23782752

LSC Report - Integrated Chromatogram

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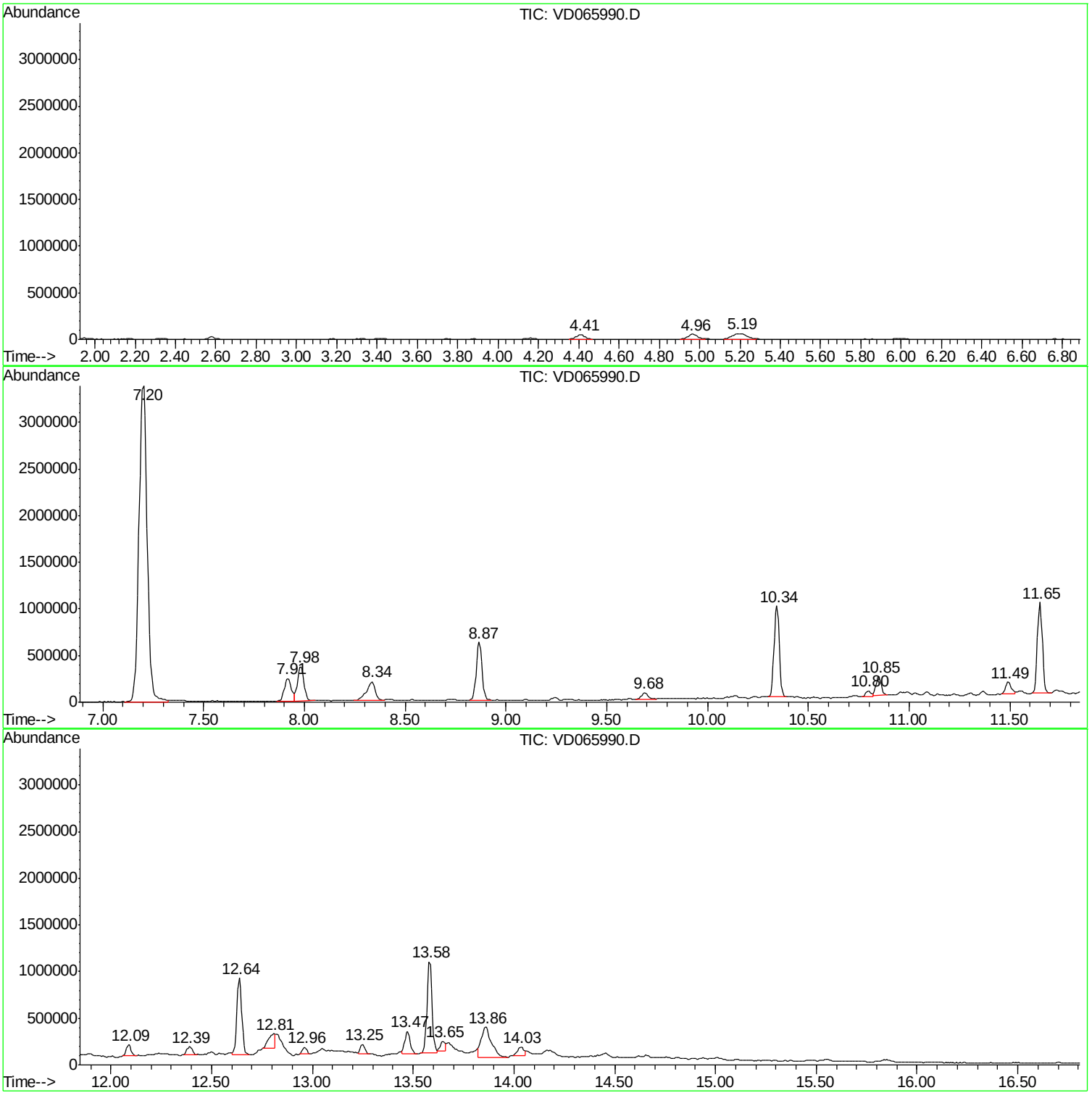
Sample : L3323-02
Misc : 5.09G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
221

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Data File : VD065990.D
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Operator : VA/SY
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Misc : 5.09G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 221

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

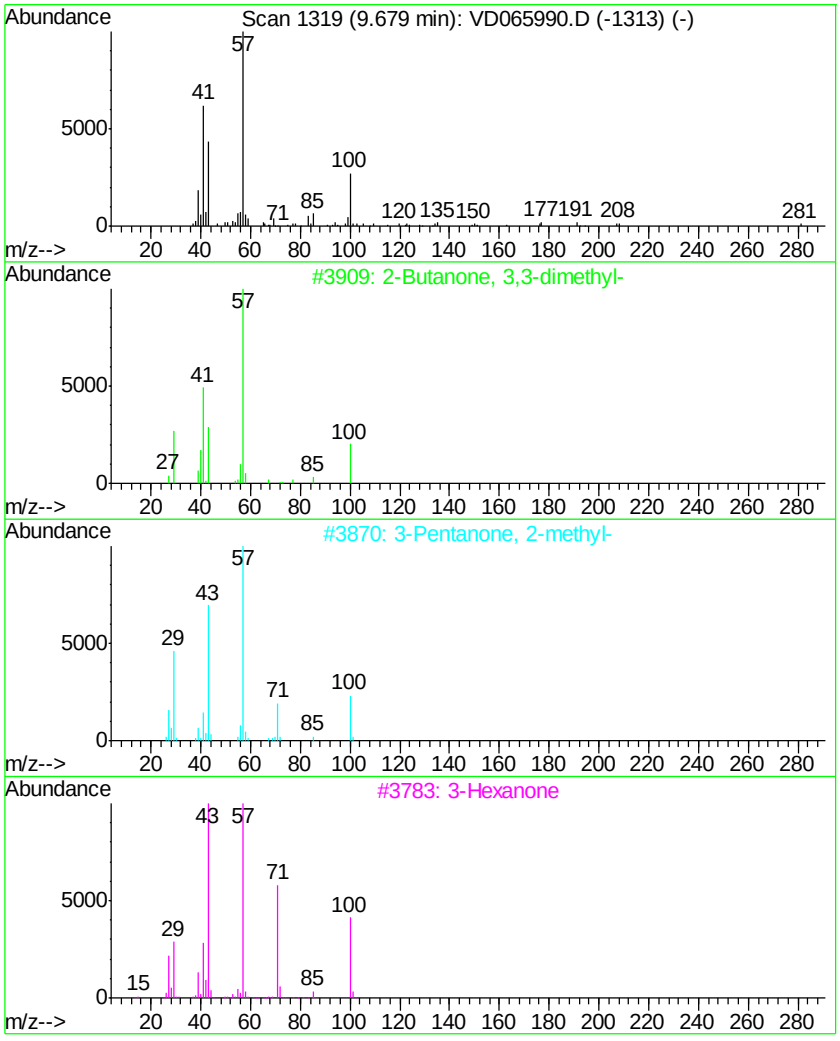
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

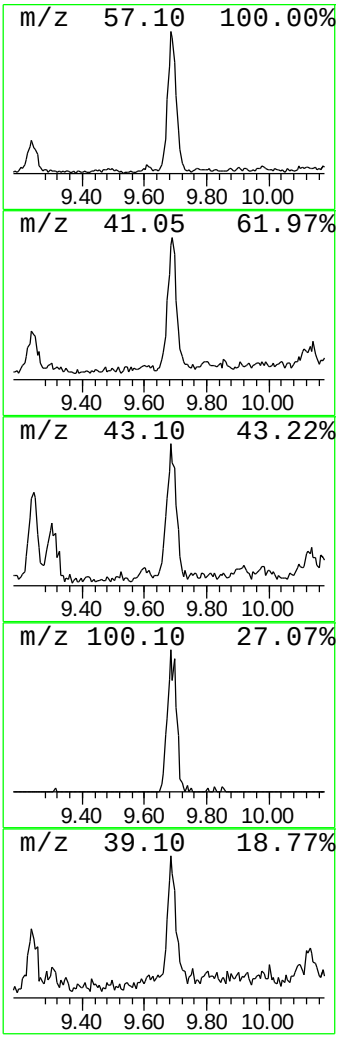
****

Peak Number 2 unknown9.68 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	6.69 ug/l	168647	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3,3-dimethyl-	100	C6H12O	000075-97-8	47
2	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	47
3	3-Hexanone	100	C6H12O	000589-38-8	47
4	trans-1-Ethoxy-1-butene	100	C6H12O	1000139-43-9	28
5	Methyl methacrylate	100	C5H8O2	000080-62-6	16





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Operator : VA/SY
Sample : L3323-02
Misc : 5.09G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 221

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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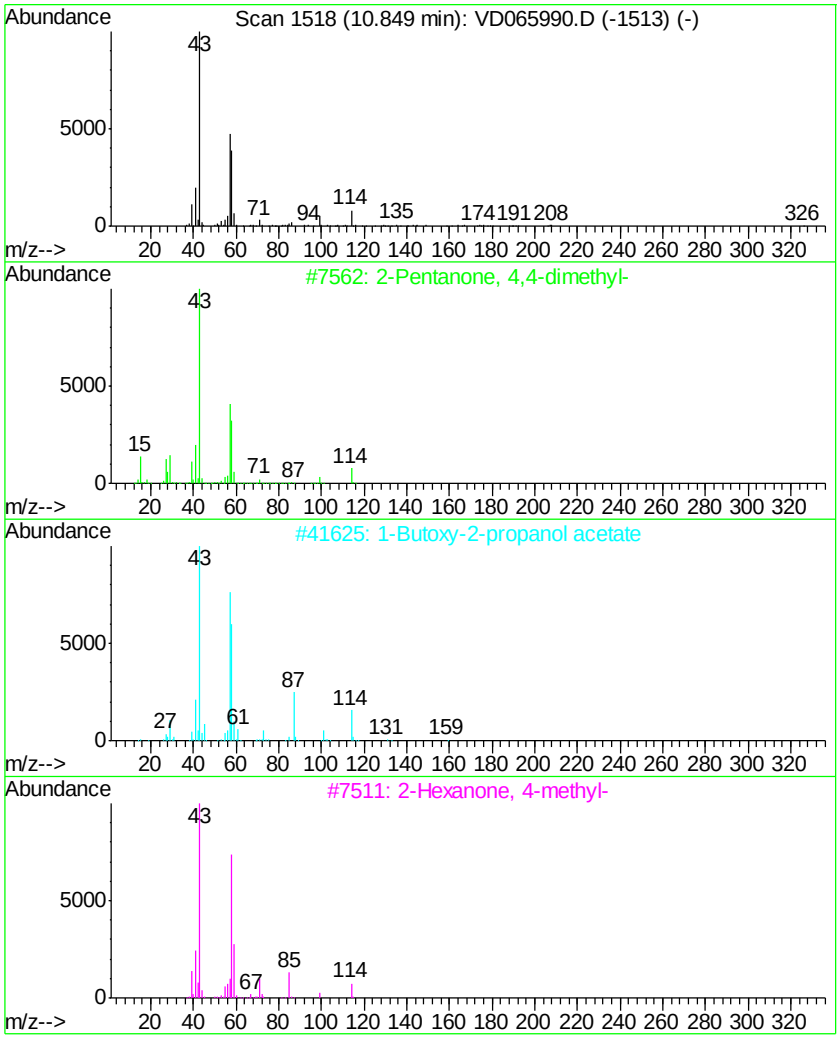
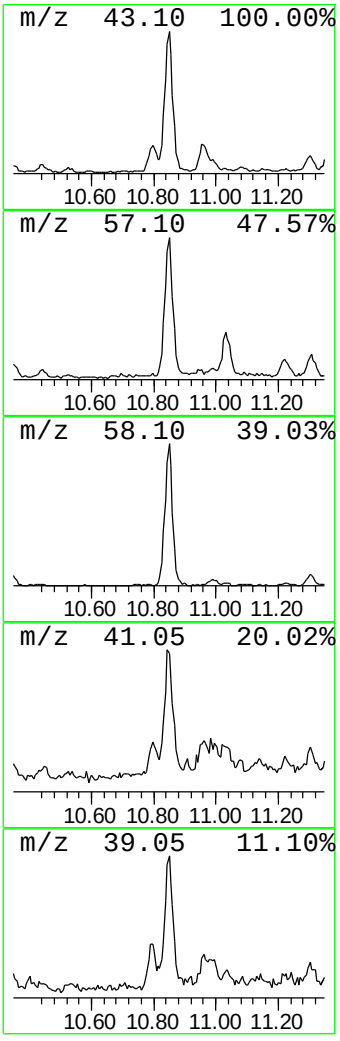
Peak Number 3 2-Pentanone, 4,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	11.56 ug/l	383313	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	90
2	1-Butoxy-2-propanol acetate	174	C9H18O3	085409-76-3	53
3	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	45
4	2-Heptanone	114	C7H14O	000110-43-0	36
5	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
Data File : VD065990.D
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Operator : VA/SY
Sample : L3323-02
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ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 221

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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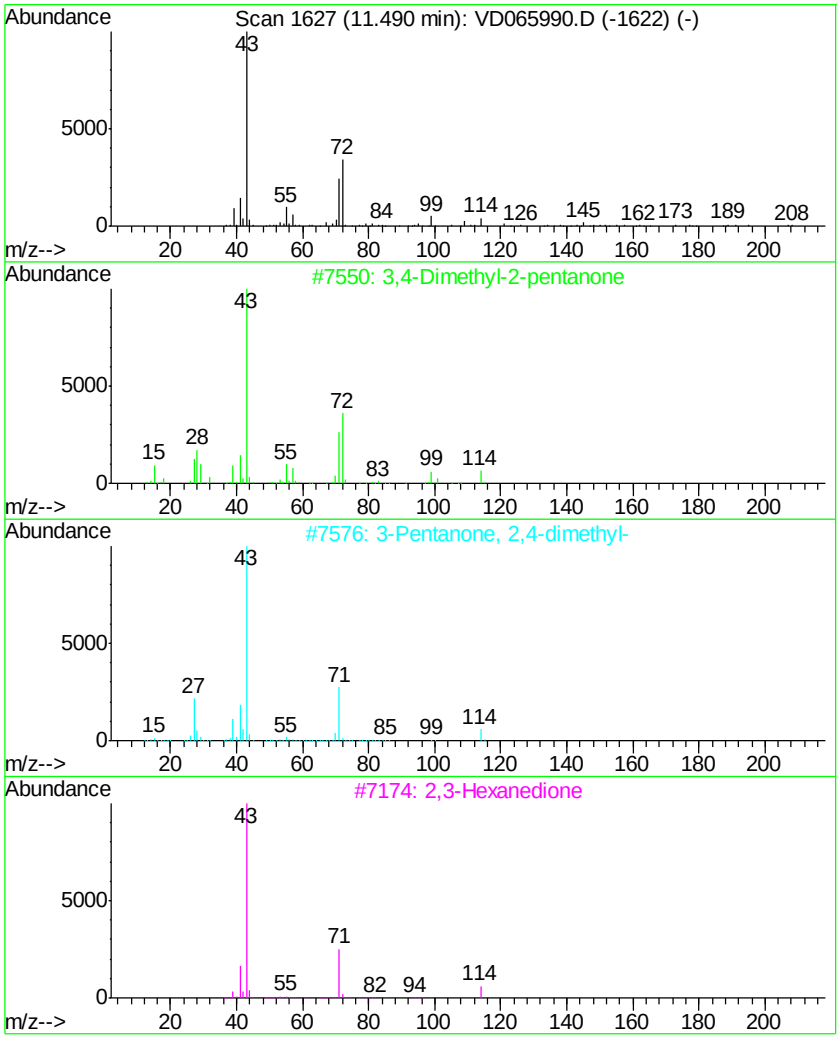
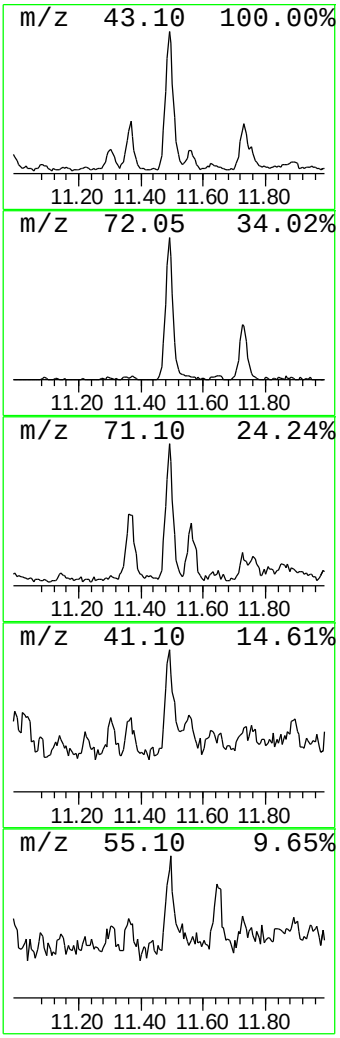
Peak Number 4 3,4-Dimethyl-2-pentanone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	7.30 ug/l	241945	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethyl-2-pentanone	114	C7H14O	1000202-23-1	58
2	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	46
3	2,3-Hexanedione	114	C6H10O2	003848-24-6	43
4	Butanal, 2-ethyl-	100	C6H12O	000097-96-1	42
5	2-Hexanone, 3-methyl-	114	C7H14O	002550-21-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
Data File : VD065990.D
Acq On : 21 Jul 2020 19:51
Operator : VA/SY
Sample : L3323-02
Misc : 5.09G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 221

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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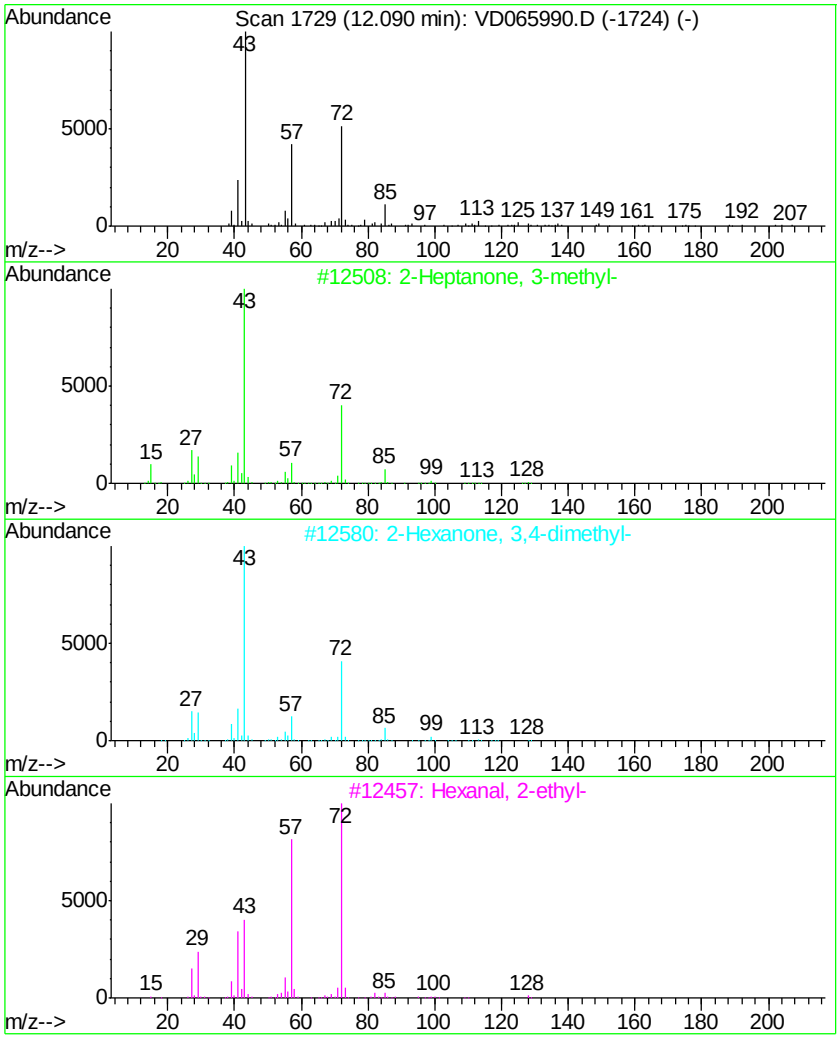
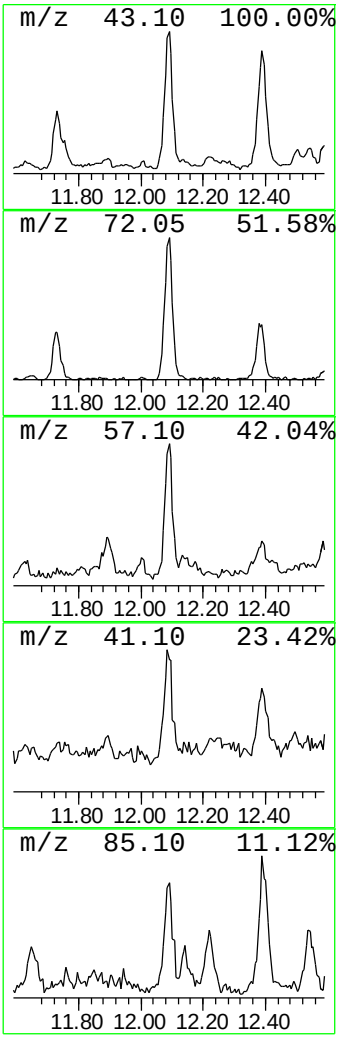
Peak Number 5 2-Heptanone, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	5.86 ug/l	194248	Chlorobenzene-d5	11.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 3-methyl-	128	C8H16O	002371-19-9	80
2	2-Hexanone, 3,4-dimethyl-	128	C8H16O	019550-10-8	59
3	Hexanal, 2-ethyl-	128	C8H16O	000123-05-7	47
4	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	42
5	D-2-Aminobutyric acid, N-methyl-...	131	C6H13NO2	1000332-99-1	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
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Operator : VA/SY
Sample : L3323-02
Misc : 5.09G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 221

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

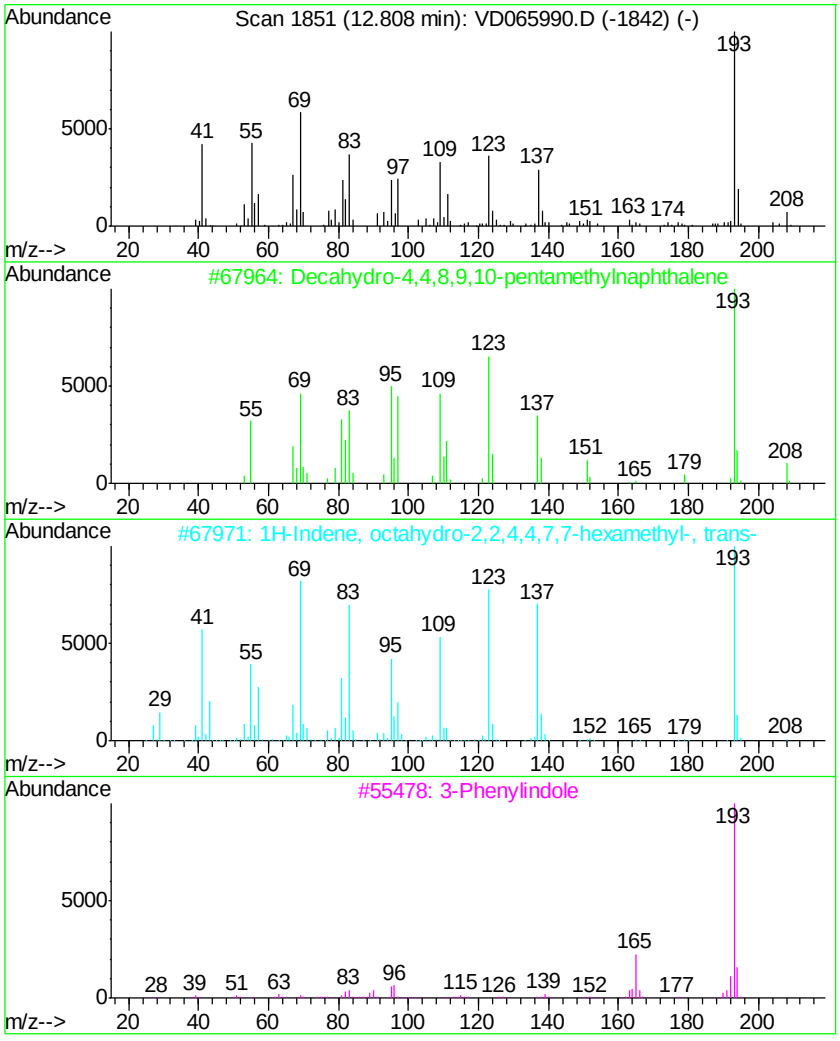
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

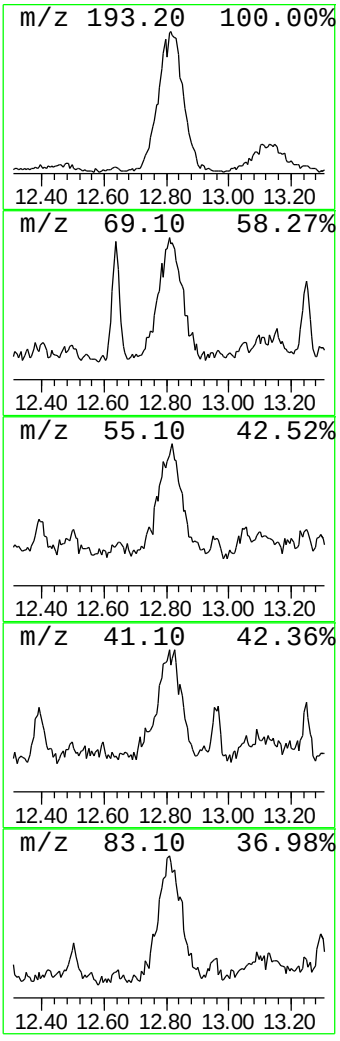
****

Peak Number 6 Decahydro-4,4,8,9,10-pentam... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	10.86 ug/l	367910	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	62
2	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	50
3	3-Phenylindole	193	C14H11N	001504-16-1	38
4	9-Phenanthrenamine	193	C14H11N	000947-73-9	38
5	Iminostilbene	193	C14H11N	000256-96-2	35





Library Search Compound Report

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Misc : 5.09G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 221

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

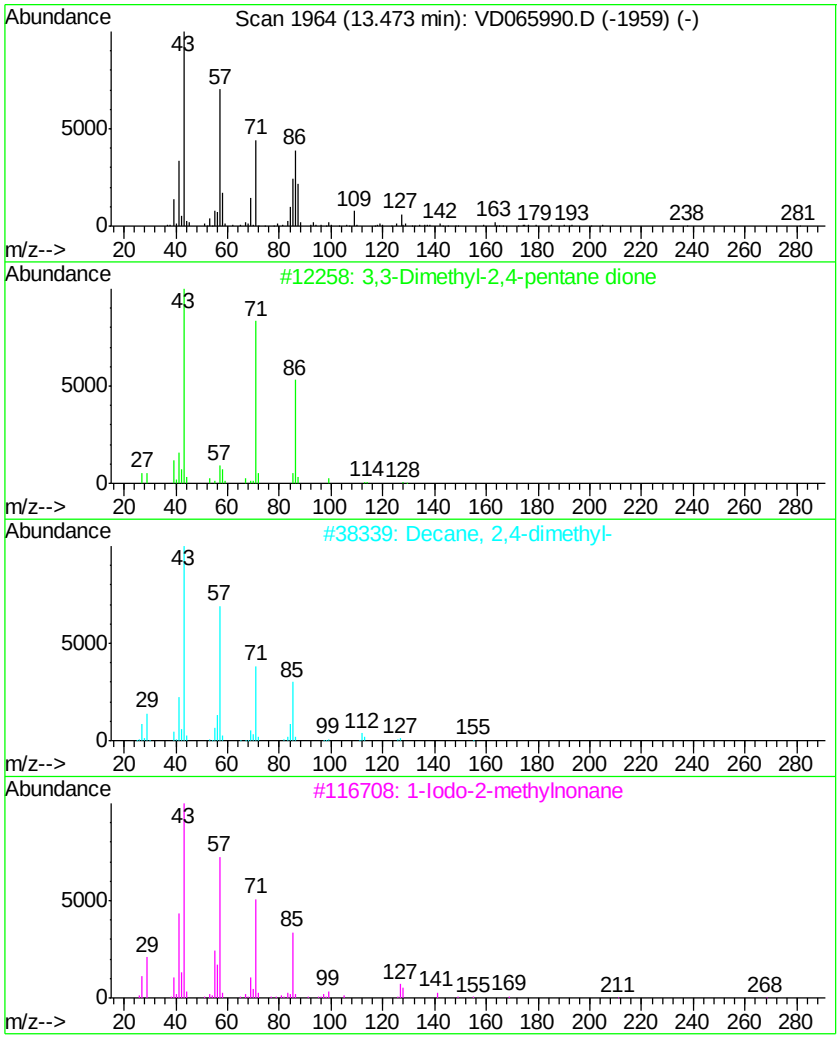
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

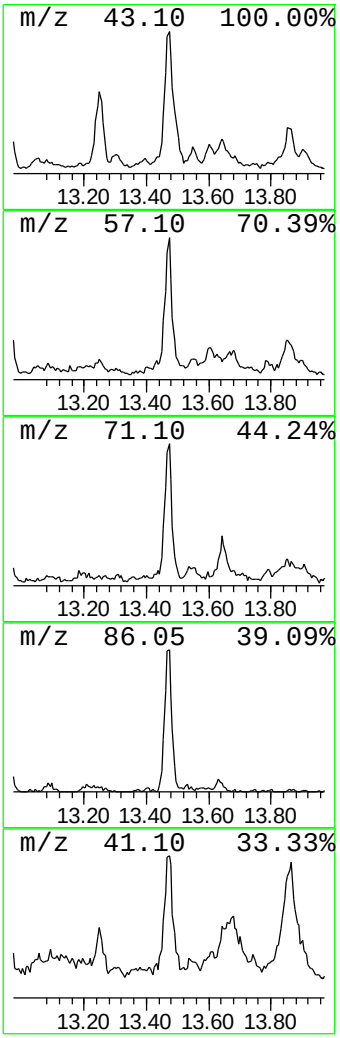
****

Peak Number 7 unknown13.47 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	13.04 ug/l	441747	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3-Dimethyl-2,4-pentane dione	128	C7H12O2	003142-58-3	43
2	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	38
3	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	38
4	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	37
5	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	37





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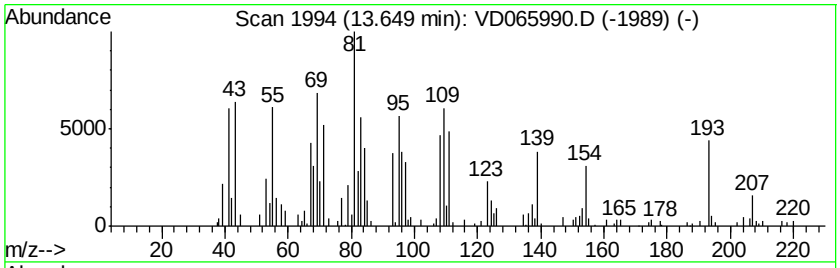
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

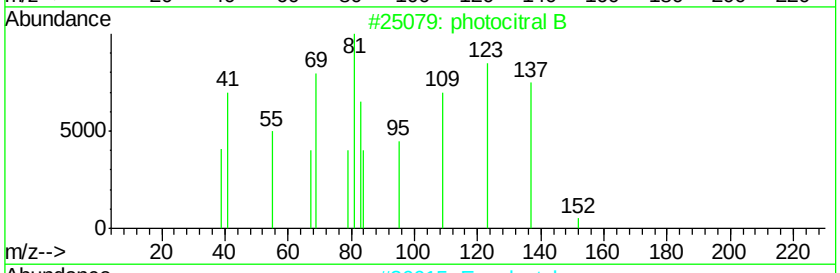
****

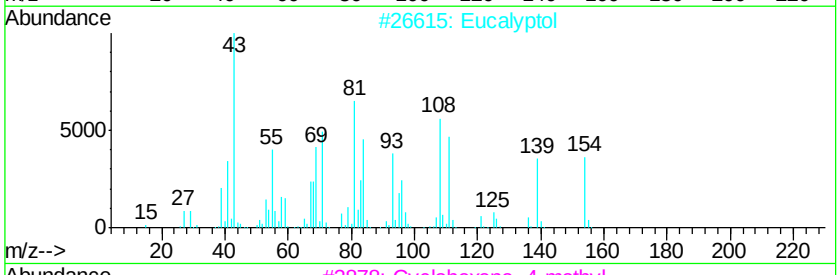
Peak Number 8 photocitral B Concentration Rank 10

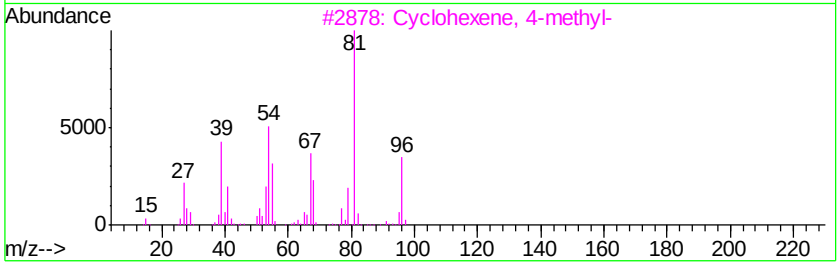
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	5.00 ug/l	169432	1,4-Dichlorobenzene-d4	13.58

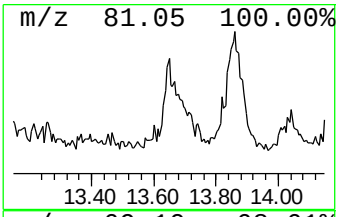
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	photocitral B	152	C10H16O	006040-45-5	64
2	Eucalyptol	154	C10H18O	000470-82-6	46
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	15
4	1-Decyne	138	C10H18	000764-93-2	14
5	1-Undecyne	152	C11H20	002243-98-3	14

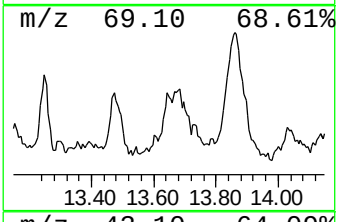


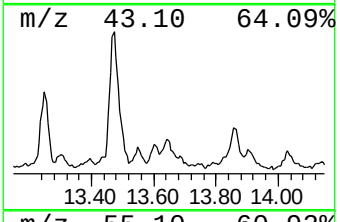


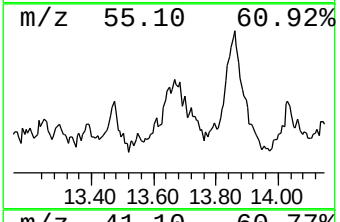


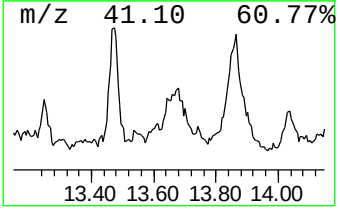












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Quant Title : SW846 8260

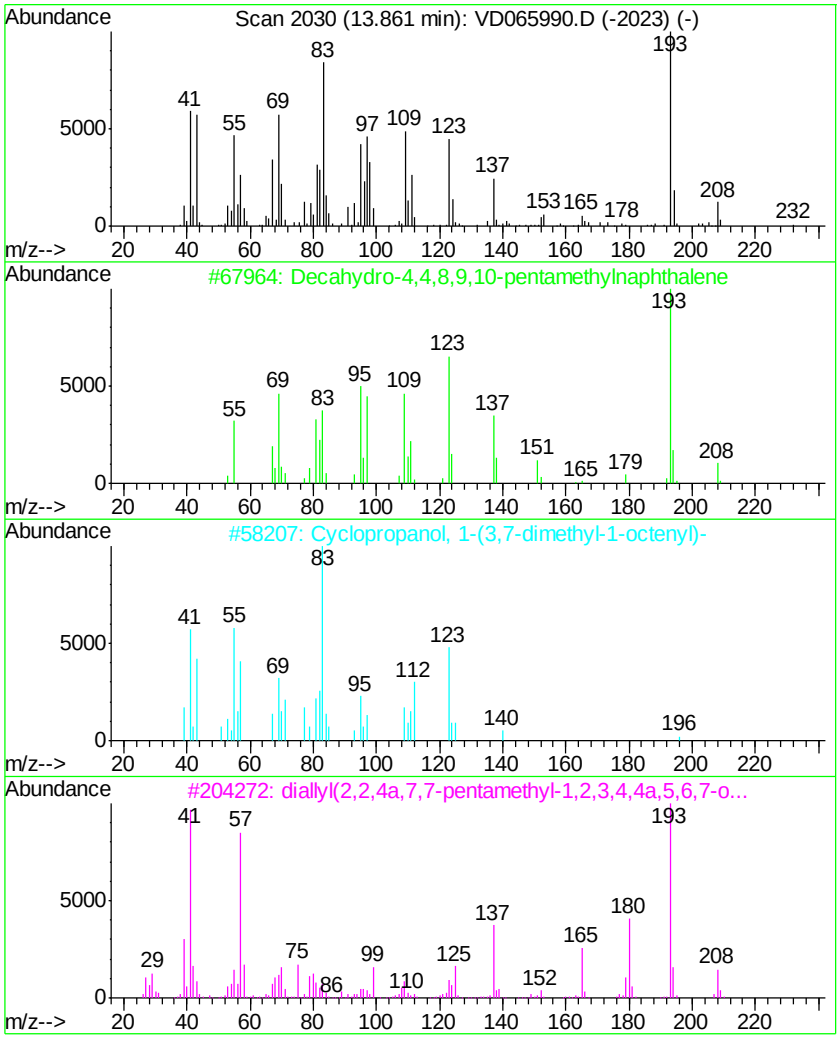
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

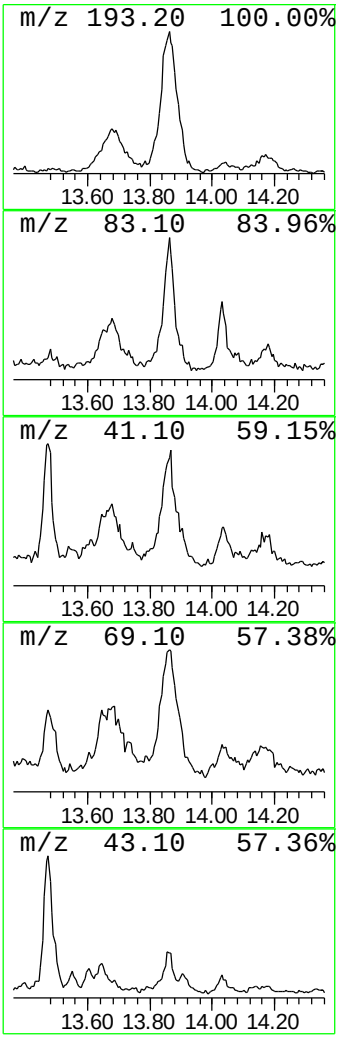
****

Peak Number 9 unknown13.86 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	33.14 ug/l	1122280	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	83
2	Cyclopropanol, 1-(3,7-dimethyl-1...	196	C13H24O	065147-72-0	35
3	diallyl(2,2,4a,7,7-pentamethyl-1...	384	C19H33N2O4P	1000187-42-4	22
4	Bicyclo[3.1.1]heptane-2-carboxal...	152	C10H16O	004764-14-1	22
5	3,7-Dimethyl-6-nonen-1-ol acetate	212	C13H24O2	1000131-34-9	14





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
Data File : VD065990.D
Acq On : 21 Jul 2020 19:51
Operator : VA/SY
Sample : L3323-02
Misc : 5.09G/5.00ml/MSVOA D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 221

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

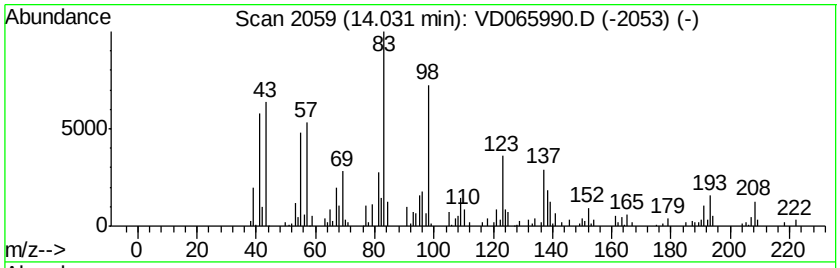
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

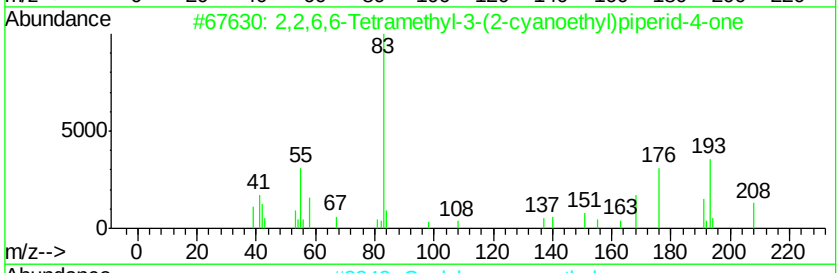
****

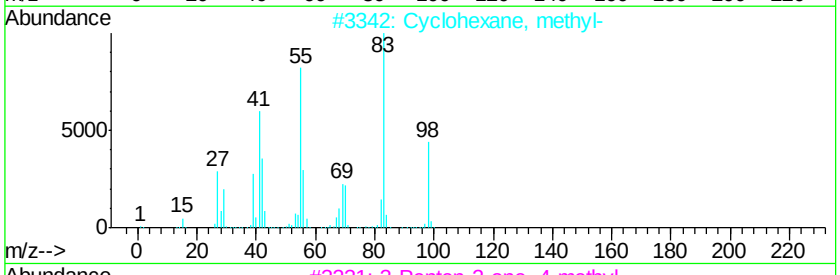
Peak Number 10 2,2,6,6-Tetramethyl-3-(2-cy... Concentration Rank 8

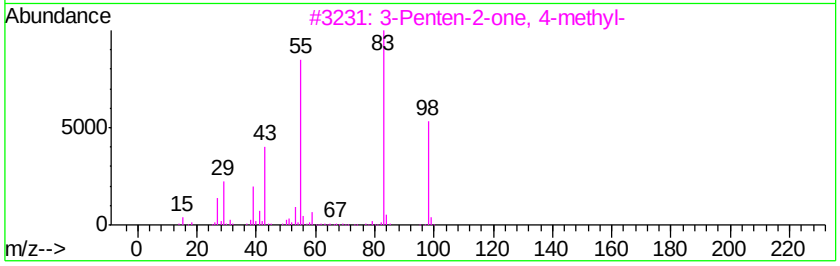
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	6.10 ug/l	206501	1,4-Dichlorobenzene-d4	13.58

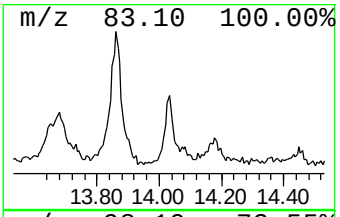
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,6,6-Tetramethyl-3-(2-cyanoet...	208	C12H20N2O	111335-32-1	50
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	43
3	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	43
4	1,2,4-Triazole, 5-cyclohexanecar...	194	C9H14N4O	021051-17-2	30
5	1,1'-Bicyclohexyl, 2-(2-methylpr...	222	C16H30	055012-77-6	30

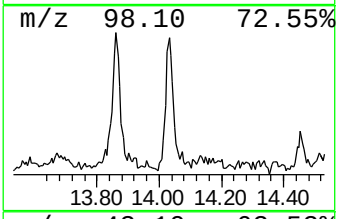


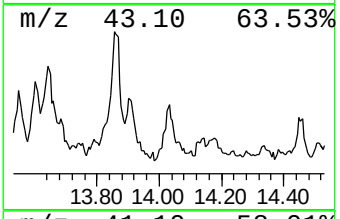


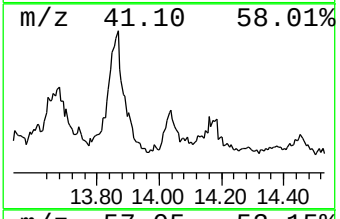


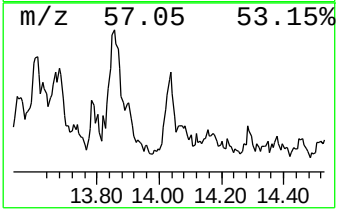












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072120\
Data File : VD065990.D
Acq On : 21 Jul 2020 19:51
Operator : VA/SY
Sample : L3323-02
Misc : 5.09G/5.00ml/MSVOA_D/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 221

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown9.68	9.68	6.7	ug/l	168647	2	8.87	1260870	50.0
2-Pentanone, 4,4-...	10.85	11.6	ug/l	383313	3	11.65	1657940	50.0
3,4-Dimethyl-2-pe...	11.49	7.3	ug/l	241945	3	11.65	1657940	50.0
2-Heptanone, 3-me...	12.09	5.9	ug/l	194248	3	11.65	1657940	50.0
Decahydro-4,4,8,9...	12.81	10.9	ug/l	367910	4	13.58	1693330	50.0
unknown13.47	13.47	13.0	ug/l	441747	4	13.58	1693330	50.0
photocitral B	13.65	5.0	ug/l	169432	4	13.58	1693330	50.0
unknown13.86	13.86	33.1	ug/l	1122280	4	13.58	1693330	50.0
2,2,6,6-Tetrameth...	14.03	6.1	ug/l	206501	4	13.58	1693330	50.0